C3460-1

FIBER ORGANON

Formerly Textile Organon

Volume 61, No. 2 ☐ February 1990

A publication of *Fiber Economics Bureau, Inc.*

Highlights

- Trade in Apparel and Textiles by Selected Countries...see pages 23 - 27.
- 1989 Import/Export Review...begins on page 28.
- Quarterly Manufactured Fiber Data ...begins on page 40.

SHIPMENTS:

In January, total manufactured fiber shipments reached 670 million pounds, slightly below the 672 million pounds shipped in December and 8% below the 725 million pounds shipped in January 1989.

January shipments of synthetic (noncellulosic) filament yarn fell 1% to 330 million pounds and staple+tow rose 1% to 325 million pounds.

Contributing to the decrease in shipments over the previous month were nylon industrial yarn down 22% or 7 million pounds, polyester industrial yarn down 16% or 5 million pounds and nylon textile yarn down 4 million pounds or 12%.

Year-to-date domestic shipments of manufactured fiber are down 6% and exports are down 34%.

TABLE 1:
TOTAL U.S. MANUFACTURED FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1990 JAN	1989 DEC	% CHG 1/90 - 12/89	1989 JAN	% CHG 1/90 - 1/89	YEAR TO DATE 1990	YEAR TO DATE 1989	% CHG YTD 1990 - 1989
ARTIFICIAL (CELLULOSIC)								
YARN	15.1	19.3	*-21.8*	17.3	*-12.7*	15.1	17.3	*-12.7*
RAYON STAPLE	NA	NA	*NA*	NA	*NA*	NA	NA	*NA*
TOTAL ARTIFICIAL (CELL.)	**15.1**	**19.3**	*-21.8*	**17.3**	*-12.7*	**15.1**	**17.3**	*-12.7*
SYNTHETIC (NONCELL.)								
YARN+MONOFILAMENT								
NYLON - INDUSTRIAL	24.9	31.8	*-21.7*	31.3	*-20.4*	24.9	31.3	*-20.4*
- CARPET	86.5	81.3	*+6.4*	74.9	*+15.5*	86.5	74.9	*+15.5*
- TEXTILE[a]	28.8	32.7	*-11.9*	33.9	*-15.0*	28.8	33.9	*-15.0*
POLYESTER - INDUSTRIAL	27.2	32.5	*-16.3*	28.6	*-4.9*	27.2	28.6	*-4.9*
- TEXTILE[a]	56.2	59.8	*-6.0*	73.2	*-23.2*	56.2	73.2	*-23.2*
OLEFIN	106.1	94.1	*+12.8*	105.3	*+0.8*	106.1	105.3	*+0.8*
TOTAL YARN	**329.7**	**332.2**	*-0.8*	**347.2**	*-5.0*	**329.7**	**347.2**	*-5.0*
STAPLE+TOW+FIBERFILL								
NYLON	88.9	74.0	*+20.1*	82.3	*+8.0*	88.9	82.3	*+8.0*
ACRYLIC+MODACRYLIC	39.2	37.1	*+5.7*	41.7	*-6.0*	39.2	41.7	*-6.0*
POLYESTER	166.9	181.3	*-7.9*	205.8	*-18.9*	166.9	205.8	*-18.9*
OLEFIN	30.3	28.3	*+7.1*	31.1	*-2.6*	30.3	31.1	*-2.6*
TOTAL STAPLE	**325.3**	**320.7**	*+1.4*	**360.9**	*-9.9*	**325.3**	**360.9**	*-9.9*
TOTAL SYNTHETIC (NONCELL.)	**655.0**	**652.9**	*+0.3*	**708.1**	*-7.5*	**655.0**	**708.1**	*-7.5*
TOTAL MANUFACTURED FIBER	**670.1**	**672.2**	*-0.3*	**725.4**	*-7.6*	**670.1**	**725.4**	*-7.6*
TOTAL SHIPMENTS DIVIDED AS -								
DOMESTIC SHIPMENTS[b]	640.2	624.3	*+2.5*	680.0	*-5.9*	640.2	680.0	*-5.9*
EXPORTS[c]	29.9	47.9	*-37.6*	45.4	*-34.1*	29.9	45.4	*-34.1*

a. Includes low denier industrial yarn.
b. Includes olefin exports.
c. Excludes olefin exports.

February 1990

Fiber Organon

A Monthly Review
Formerly ***Textile Organon***

CONTENTS

Features

Trade in Apparel and Textiles by Selected Countries 23 - 27
- Graph 1: Trade Balance of Apparel and Textiles for Selected Countries 23
- Imports, Exports & Balance of Apparel and Textiles by Selected Countries 24
- Apparel Imports by Selected Countries 24
- Percent Share of Apparel Imports for Selected Developed & Developing Countries 24
- Textile Exports by Selected Countries 25
- Percent Share of Textile Imports for Selected Developed & Developing Countries 25
- Graph 2: Per Capita Apparel Imports by Selected Developed Countries 26
- Graph 3: Share of Apparel Imports from Developing Countries 26
- Graph 4: Per Capita Textile Exports by Selected Developed Countries 27
- Graph 5: Share of Textile Imports from Developing Countries 27

1989 Import/Export Review 28 - 36
- Selected U.S. Exports by Country of Destination 28 - 29
- U.S. Imports of Manufactured Fiber 30
- U.S. Exports of Manufactured Fiber 31
- U.S. Imports of Manufactured Fiber - 1989 32
- U.S. Exports of Manufactured Fiber - 1989 33
- Selected U.S. Manufactured Fiber Imports by Country of Origin 34 - 35
- Graph 6: Imports vs. Exports of Manufactured Fiber 36
- Manufactured Fiber Quarterly Trade Balance 36

Industry Regulars

Total U.S. Manufactured Fiber Shipments 21

Monthly U.S. Manufactured Fiber Data 37 - 39
- Imports by Country of Origin 37
- Imports by Fiber 38
- Exports by Fiber 39

Quarterly Manufactured Fiber Data 40 - 41
- Yarn+Monofilaments 40
- Staple+Tow 41

Selected U.S. Monthly Fiber Data 42

FIBER ECONOMICS BUREAU, INC.
President & Editor
Rosemarie D. Frick

Publishing Headquarters:
Fiber Economics Bureau, Inc.
101 Eisenhower Parkway
Roseland, NJ 07068
U.S.A.
Telephone: (201) 228-1107
Facsimile: (201) 228-7598

ISSN 0040-5132

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Subscription Rates
(payable in U.S. dollars with order):

ITEM	U.S.A.	OTHER
Annually (1 year only)	250.00	300.00
Schools & Nonprofit	150.00	300.00
Single Issues:		
May	100.00	150.00
June	150.00	200.00
September	100.00	150.00
December	100.00	150.00
All Others	50.00	75.00

Issues are sent by 1st class mail to U.S. subscribers and by airmail to foreign subscribers.

TRADE IN APPAREL AND TEXTILES BY SELECTED COUNTRIES

Last September a GATT Secretariat Report updated textile and apparel trade trends for selected developed and developing regions. Seen below are some of the highlights concerning the U.S. compared to the E.E.C. and Japan.

- In 1988 the U.S. had by far the highest textile/apparel trade deficit.
- 1988 per capita apparel imports in dollars into the U.S. were over 70% higher than the E.E.C. and Japan.
- 88% of the U.S. apparel imports were sourced in developing countries, vs. 71% in 1973.
- Per capita textile product exports in dollars from the U.S. were significantly lower than from the E.E.C. and Japan.

GRAPH 1:
1973 VS. 1988 TRADE BALANCE OF APPAREL AND TEXTILES FOR SELECTED COUNTRIES

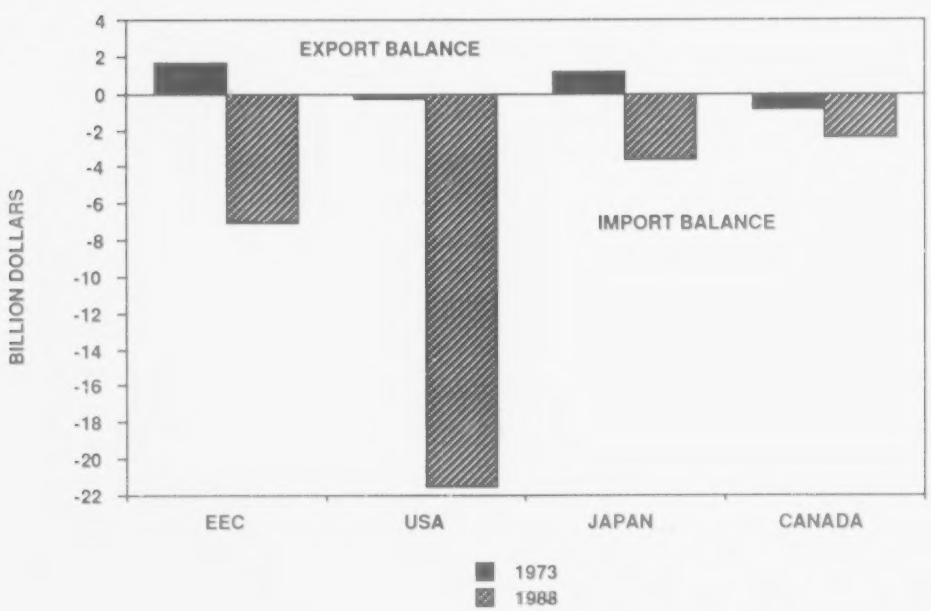


TABLE 2:
1973 VS. 1988 IMPORTS, EXPORTS & BALANCE OF APPAREL AND TEXTILES BY SELECTED COUNTRIES
BILLION DOLLARS

	1973			1988		
	IMPORTS	EXPORTS	TRADE BALANCE	IMPORTS	EXPORTS	TRADE BALANCE
EEC	4.448	6.152	1.704	28.360	21.400	(6.960)
USA	3.277	1.482	(1.795)	26.103	4.665	(21.438)
JAPAN	1.593	2.738	1.145	9.346	5.803	(3.543)
CANADA	1.083	.238	(.845)	3.178	.790	(2.388)

SOURCE: *General Agreement on Trade and Tariffs*, September 1989.

TABLE 3:
1973 VS. 1988 APPAREL IMPORTS BY SELECTED COUNTRIES

	BILLION DOLLARS		POPULATION [a]		PER CAPITA IMPORTS [b]	
	1973	1988	1973	1988	1973	1988
EEC	2.021	17.360	331.9	357.1	6.09	48.61
USA	1.971	20.408	211.9	246.3	9.30	82.86
JAPAN	.541	5.815	108.7	122.6	4.98	47.43
CANADA	.313	1.780	22.7	26.0	13.79	68.46

SOURCE: *General Agreement on Tariffs and Trade*, September 1989.

a. In millions. Population data for EEC are taken from *CIRFS* and for Other Countries from *Monthly Bulletin of Statistics*, United Nations.

b. In dollars, equivalent to wholesale dollars.

TABLE 4:
1973 VS. 1988 PERCENT SHARE OF APPAREL IMPORTS FOR SELECTED DEVELOPED & DEVELOPING COUNTRIES

	DEVELOPED COUNTRIES		DEVELOPING COUNTRIES	
	1973	1988	1973	1988
EEC	28	14	72	86
USA	29	12	71	88
JAPAN	18	16	82	84

SOURCE: *General Agreement on Trade and Tariffs*, September 1989.

TABLE 5:
1973 VS. 1988 TEXTILE EXPORTS
BY SELECTED COUNTRIES

	BILLION DOLLARS		POPULATION[a]		PER CAPITA EXPORTS[b]	
	1973	1988	1973	1988	1973	1988
EEC	4.598	12.300	331.9	357.1	13.85	34.44
USA	1.220	3.357	211.9	246.3	5.76	13.63
JAPAN	2.392	5.224	108.7	122.6	22.00	42.61
CANADA	.148	.620	22.7	26.0	6.52	23.85

SOURCE: ***General Agreement on Tariffs and Trade***, September 1989.

a. In millions. Population data for EEC are taken from ***CIRFS*** and for Other Countries from ***Monthly Bulletin of Statistics***, United Nations.

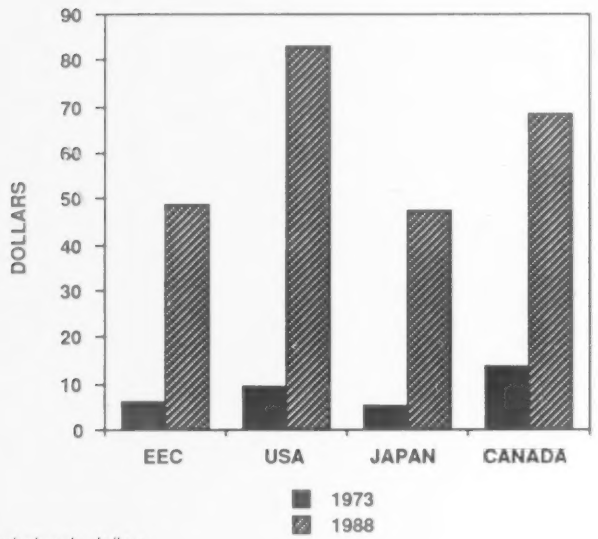
b. In dollars, equivalent to wholesale dollars.

TABLE 6:
1973 VS. 1988 PERCENT SHARE OF TEXTILE IMPORTS
FOR SELECTED DEVELOPED & DEVELOPING COUNTRIES

	DEVELOPED COUNTRIES		DEVELOPING COUNTRIES	
	1973	1988	1973	1988
EEC	51	45	49	55
USA	71	46	29	54
JAPAN	46	35	54	65

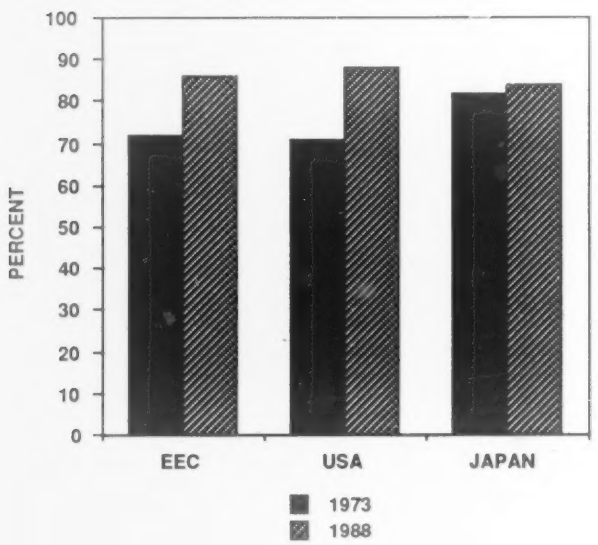
SOURCE: ***General Agreement on Trade and Tariffs***, September 1989.

GRAPH 2:
1973 VS. 1988 PER CAPITA APPAREL IMPORTS BY SELECTED DEVELOPED COUNTRIES[a]

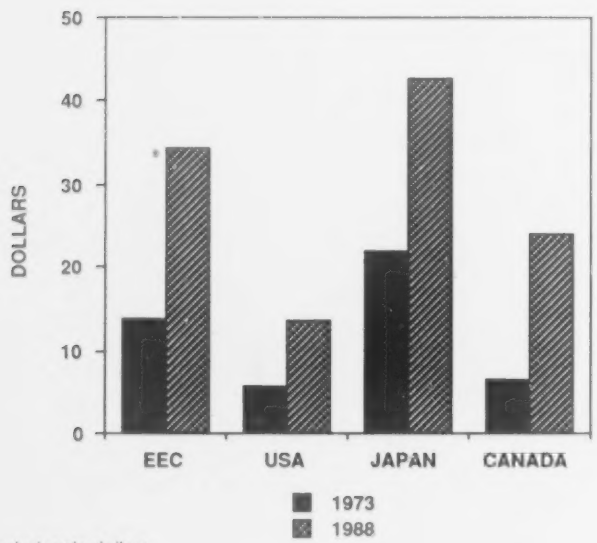


a. In dollars, equivalent to wholesale dollars.

GRAPH 3:
1973 VS. 1988 SHARE OF APPAREL IMPORTS FROM DEVELOPING COUNTRIES



GRAPH 4:
1973 VS. 1988 PER CAPITA TEXTILE EXPORTS BY SELECTED DEVELOPED COUNTRIES [a]



a. In dollars, equivalent to wholesale dollars.

GRAPH 5:
1973 VS. 1988 SHARE OF TEXTILE IMPORTS FROM DEVELOPING COUNTRIES

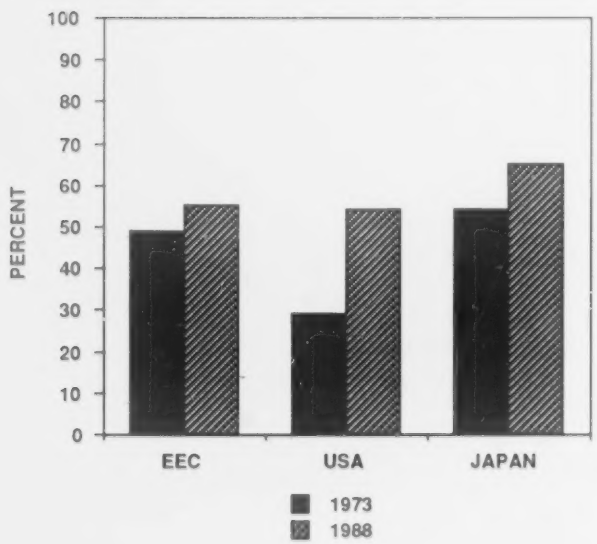


TABLE 7:
SELECTED U.S. EXPORTS BY COUNTRY OF DESTINATION

COUNTRY	A. ARTIFICIAL (CELL.) YARN MONOFIL & STRIPS				B. SYNTHETIC (NONCELL.) TEXTILE YARN				C. SYNTHETIC (NONCELL.) IND. YARN, MONOFIL & STRIPS				D. ARTIFICIAL (CELL.) STAPLE+TOW				E. SYNTHETIC (NONCELL.) STAPLE+TOW			
	THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS	
	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989
AUSTRIA	0	0	0	0	1	0	3	0	111	56	308	130	0	0	0	0	105	5	105	2
BELGIUM/LUXEMBOURG	1638	10	3301	100	12286	9164	38652	14729	29558	35509	52170	79476	2028	1503	1518	1496	9656	12913	36417	40082
DENMARK	0	0	0	0	911	375	1106	550	176	3547	215	3985	0	1	0	2	1920	112	1951	312
FINLAND	0	0	0	0	156	308	493	587	1283	651	1395	619	2	0	2	0	405	319	494	210
FRANCE	47	13	297	18	2912	784	11099	3911	1178	1973	2596	5104	149	40	197	10	3100	1150	3243	1146
GERMANY, FED. REP. OF	174	362	350	982	1782	4220	8383	11944	2796	6335	5685	9899	121	76	423	41	5531	2700	9677	3689
GREECE	0	0	0	0	110	19	208	38	54	53	318	262	23	0	35	0	51	49	46	122
ICELAND	0	0	0	0	0	0	0	0	0	119	0	144	0	0	0	0	229	17	252	23
IRELAND	0	86	0	126	1635	1475	2286	1877	739	2969	1065	4434	235	795	594	878	1921	365	2097	353
ITALY	210	9	360	45	593	972	1444	3600	1489	988	2577	1865	27	149	36	23	9617	1388	7335	1065
NETHERLANDS	3	594	72	310	1012	826	1503	1202	1040	4717	2189	6986	6	14	6	4	8645	6523	6942	5077
NORWAY	0	0	0	0	51	0	76	0	39	70	56	96	42	0	48	0	476	17	569	15
PORTUGAL	0	+	0	5	636	219	578	267	2	734	8	806	0	0	0	0	32	45	15	35
SPAIN	1	0	5	0	6587	4813	8272	6477	397	3598	654	5351	10	0	13	0	5201	2072	3977	1827
SWEDEN	30	0	154	0	194	109	263	316	1629	1682	2176	2342	11	0	13	0	2654	1219	2776	874
SWITZERLAND	0	0	0	0	16	10	224	76	54	356	257	602	13	0	22	0	2658	254	1806	330
TURKEY	0	0	0	0	5730	2773	8027	2920	31732	32106	43200	39902	0	14	0	17	8266	222	4926	138
UNITED KINGDOM	71	38	127	118	8575	6279	15984	10952	7935	10006	12668	17139	268	465	273	456	6585	5125	12249	9650
OTHER	0	0	0	0	5	0	22	0	7	+	18	4	0	0	0	0	0	0	0	0
TOTAL WESTERN EUROPE	**2174**	**1112**	**4666**	**1704**	**43198**	**32346**	**98623**	**59446**	**80219**	**105469**	**127555**	**179146**	**2935**	**3057**	**3180**	**2927**	**67052**	**34495**	**94877**	**64950**
CZECHOSLOVAKIA	0	0	0	0	0	0	0	0	1592	226	1806	1425	0	0	0	0	675	1649	576	1725
GERMANY, DEM. REP.	0	0	0	0	1	168	16	344	0	0	0	0	0	0	0	0	5	0	11	0
HUNGARY	516	0	831	0	+	5	2	68	0	21	0	16	0	0	0	0	0	1049	0	809
POLAND	0	1009	0	865	459	106	708	70	14	220	90	495	0	0	0	0	14639	6406	9704	6422
U.S.S.R.	0	84	0	211	0	0	0	0	96	821	209	2535	0	0	0	0	0	133	0	304
YUGOSLAVIA	0	0	0	0	0	18	0	38	0	354	0	432	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0	0	8	48	123	405	0	0	0	0	0	0	0	0
TOTAL EASTERN EUROPE	**516**	**1093**	**831**	**1076**	**460**	**297**	**726**	**520**	**1710**	**1690**	**2228**	**5308**	**0**	**0**	**0**	**0**	**15319**	**9237**	**10291**	**9260**
CANADA	**1925**	**319**	**2271**	**817**	**36708**	**34940**	**60938**	**67967**	**12470**	**15947**	**27121**	**42323**	**663**	**1616**	**579**	**973**	**75933**	**61113**	**56955**	**52609**
ARGENTINA	0	325	0	43	83	186	191	271	76	248	234	854	0	5	0	4	408	534	604	708
BOLIVIA	0	0	0	0	69	36	120	44	15	10	45	49	0	0	0	0	34	38	117	76
BRAZIL	45	55	81	111	1273	48	3143	231	1797	2796	3679	6596	3	30	3	47	1038	1571	3486	2054
CHILE	11	3	27	6	86	521	307	1024	132	197	385	747	131	76	129	86	15398	10036	10665	8668
COLOMBIA	0	46	0	62	141	171	410	898	2667	1107	9623	9601	1773	3613	1201	4037	4452	5606	3596	5126
COSTA RICA	0	0	0	0	1052	759	1314	968	197	902	261	1221	7	0	7	0	4410	7521	2929	5900
DOMINICAN REPUBLIC	40	2	49	2	1412	678	1833	923	95	1039	172	1704	16	17	15	14	284	607	303	476
ECUADOR	0	5	0	17	717	161	638	166	33	725	192	1041	115	134	67	122	8494	5987	5165	5137
EL SALVADOR	0	0	0	0	120	195	139	177	331	272	590	954	1138	162	785	171	7200	10899	6603	8880
GUATEMALA	0	0	0	0	1370	1100	1185	758	5	426	32	982	119	0	110	0	7509	7596	5367	5635
HAITI	0	0	0	0	232	112	319	119	5	76	50	109	3	0	3	0	1	53	3	64
HONDURAS	2	0	5	0	279	165	438	437	11	115	37	526	0	0	0	0	1792	2566	1137	3556
JAMAICA	0	0	0	0	516	10	716	19	78	967	82	950	0	0	0	0	49	314	77	217
LEEWARD & WINDWARD ISL.	0	0	0	0	2	0	7	0	0	0	0	0	0	0	0	0	8	0	9	0
MEXICO	227	325	324	1034	3106	3299	5949	6540	4332	5659	9249	14366	13119	7510	9760	6500	19526	37110	24262	40176
NICARAGUA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PANAMA	14	0	16	0	143	8	167	31	59	87	67	104	0	1	0	4	16	12	92	42
PARAGUAY	0	0	0	0	0	0	0	0	25	0	126	0	0	0	0	0	0	0	0	0
PERU	0	0	0	0	80	1960	162	2853	156	173	280	247	214	87	125	113	7	5	9	12
TRINIDAD	0	0	0	0	57	65	149	112	4	42	26	134	0	0	0	0	6	36	17	58
URUGUAY	0	0	0	0	54	4	36	13	1	78	5	89	0	0	0	0	522	431	404	312
VENEZUELA	70	3	90	7	1808	221	4400	277	826	412	2697	1387	2433	947	2327	952	2707	418	3078	375
OTHER	19	1	20	2	183	13	1046	86	6	194	22	701	2	0	6	0	67	70	146	125
TOTAL OTHER AMERICAS	**428**	**765**	**612**	**1284**	**12783**	**9712**	**22669**	**15947**	**10851**	**15525**	**27854**	**42362**	**19073**	**12582**	**14538**	**12050**	**73928**	**91410**	**68059**	**87597**

TABLE 7:
SELECTED U.S. EXPORTS BY COUNTRY OF DESTINATION *(CONTINUED)*

	A. ARTIFICIAL (CELL.) YARN MONOFIL & STRIPS				B. SYNTHETIC (NONCELL.) TEXTILE YARN				C. SYNTHETIC (NONCELL.) IND. YARN, MONOFIL & STRIPS				D. ARTIFICIAL (CELL.) STAPLE+TOW				E. SYNTHETIC (NONCELL.) STAPLE+TOW			
	THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS	
COUNTRY	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989
BANGLADESH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HONG KONG	5	+	80	10	373	139	603	220	501	1382	2402	4296	483	440	864	1135	11170	6150	7750	7179
INDIA	85	0	54	0	182	8	460	48	3171	2932	4724	3826	278	0	175	0	1320	1435	895	3299
INDONESIA	0	0	0	0	79	175	172	249	7809	18371	12216	27491	45	+	56	3	519	1268	452	816
KOREA, REP. OF	2000	42	3465	75	1462	400	3379	1101	2151	1844	3383	4610	288	28	356	24	13731	21999	11562	17480
MALAYSIA	13	0	20	0	1	85	4	212	10	27	52	216	33	88	57	71	278	72	231	108
PAKISTAN	0	0	0	0	370	86	657	65	67	523	75	575	0	0	0	0	587	637	390	593
PHILIPPINES	23	3	17	6	334	694	884	946	777	652	6331	5219	7	30	8	45	5290	6395	5421	8513
SINGAPORE	0	+	0	2	2	10	12	35	959	532	1358	966	3	0	2	0	129	15	272	49
TAIWAN	999	1	1569	3	596	136	1168	316	4679	5370	6212	6306	354	37	364	66	23674	27324	18972	19843
THAILAND	35	0	62	0	105	188	211	350	344	742	750	811	0	36	0	30	3141	3565	1901	2037
TOTAL OTHER ASIA	**3160**	**46**	**5267**	**96**	**3504**	**1921**	**7550**	**3542**	**20468**	**32375**	**37503**	**54316**	**1491**	**659**	**1882**	**1374**	**59839**	**68860**	**47846**	**59917**
CHINA, PRC	**3460**	**778**	**4751**	**927**	**6586**	**9002**	**11617**	**6658**	**2132**	**2557**	**3166**	**3534**	**44**	**1757**	**71**	**1195**	**84557**	**34497**	**56198**	**20450**
JAPAN	**78**	**0**	**103**	**0**	**10464**	**6545**	**20701**	**10640**	**17964**	**20101**	**24783**	**36794**	**219**	**168**	**337**	**64**	**7011**	**8054**	**15505**	**21395**
ALGERIA	0	0	0	0	82	0	115	0	5	0	10	0	13	0	12	0	0	0	0	0
AUSTRALIA	745	11	1303	34	14406	13721	26103	31112	2009	11831	4125	22176	79	181	103	305	8839	2423	14590	4333
CAMEROON	0	0	0	0	118	12	113	45	0	0	0	0	0	0	0	0	0	75	0	95
EGYPT	0	0	0	0	315	2067	376	3100	150	227	125	316	0	0	0	0	931	4770	1219	3547
IRAQ	0	0	0	0	831	325	985	365	0	0	0	0	0	0	0	0	0	0	0	0
ISRAEL	55	32	63	34	1455	1400	1833	1588	6440	5900	8804	7247	5	38	9	69	885	721	733	1144
JORDAN	0	0	0	0	55	34	67	82	0	29	0	33	0	0	0	0	0	31	0	67
KENYA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	208	0	109
LEBANON	0	0	0	0	230	36	334	63	157	37	230	86	0	0	0	0	0	14	0	15
MOROCCO	0	0	0	0	2030	1248	1292	1192	16	2279	21	2085	0	0	0	0	716	402	548	329
MOZAMBIQUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW ZEALAND	44	4	236	7	1145	1217	2522	3008	175	1441	652	3052	10	33	13	25	318	251	633	314
NIGERIA	0	0	0	0	251	310	271	246	76	0	133	0	0	0	0	0	308	7	68	6
QATAR	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0
SAUDI ARABIA	0	21	0	32	2113	1572	3065	2846	54	386	100	497	14	0	11	0	543	589	762	652
SOUTH AFRICA	72	1	127	2	1055	436	2180	799	182	1062	794	1623	9	0	11	0	2918	4523	2262	3238
SUDAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYRIA	0	0	0	0	3019	1000	3137	740	159	158	261	218	0	0	0	0	0	31	0	22
TANZANIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TUNISIA	0	0	0	0	404	152	382	135	1	14	8	67	0	0	0	0	0	43	0	36
UNITED ARAB EMIRATES	0	0	0	0	14	45	10	38	0	2	2	10	0	0	0	0	3	75	12	104
ZAMBIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	0	87	0	63	612	277	1168	359	1	81	5	235	0	0	0	0	0	716	3	614
TOTAL M.E., A., & O.	**916**	**156**	**1729**	**172**	**28135**	**23852**	**43953**	**45718**	**9426**	**23447**	**15272**	**37645**	**130**	**252**	**159**	**399**	**15461**	**14879**	**20930**	**14625**
GRAND TOTAL	**12657**	**4269**	**20230**	**6076**	**141838**	**118615**	**266777**	**210438**	**155240**	**217111**	**265482**	**401428**	**24555**	**20091**	**20746**	**18982**	**399100**	**322545**	**370671**	**330803**

SOURCE: U.S. Census Bureau Report EM546.

+ Less than 1 thousand pounds.

For 1988, the commodity numbers are:

A. 309.0110, .2210, 310.0006 & .0026.
B. 310.0008, .0009, .0010, .0014, .0029, .0034, .0040 & .0044.
C. 309.0120, .0140, .0170, .2220, .2270, 310.0027 & .0032.
D. 309.4219 & .4222.
E. 309.3220, .3240, .3250, .3255, .4240, .4242, .4245, .4246 & .4247.

For 1989, the Harmonized Tariff Schedule numbers are:

A. 5403.10.00.00, 5403.10.30.20, 5403.10.30.40, 5403.10.60.00, 5403.20.00.00, 5403.20.30.00, 5403.20.60.00, 5403.30.10.00, 5403.39.00.40, 5403.41.00.00, 5403.49.00.00, 5405.00.30.00 & 5405.00.60.00.
B. 5402.31.00.00, 5402.31.30.00, 5402.31.60.00, 5402.32.00.00, 5402.32.20.00, 5402.32.60.00, 5402.33.00.00, 5402.33.30.00, 5402.33.60.00, 5402.42.00.00, 5402.39.00.00, 5402.39.30.00, 5402.39.30.10, 5402.39.30.90, 5402.39.60.00, 5402.39.60.10 & 5402.39.60.90.
C. 5402.10.00.00, 5402.10.30.20, 5402.10.30.40, 5402.10.60.00, 5402.41.00.20, 5402.41.00.30, 5402.41.00.40, 5402.41.00.60, 5402.51.00.00, 5402.61.00.00, 5404.10.20.20, 5402.20.00.00, 5402.20.30.20, 5402.20.30.40, 5402.20.60.00, 5402.43.00.20, 5402.43.00.30, 5402.43.00.40, 5402.43.00.60, 5402.52.00.00, 5402.62.00.00, 5404.10.20.40, 5402.49.00.10, 5402.49.00.30, 5402.49.00.60, 5402.49.00.80, 5402.49.40.00, 5402.59.00.00, 5402.69.00.00, 5404.10.10.00, 5404.10.20.90, & 5404.90.00.00.
D. 5504.10.00.00, 5504.90.00.00 & 5507.00.00.00.
E. 5503.10.00.00, 5503.20.00.00, 5503.30.00.00, 5503.40.00.00, 5503.90.00.00, 5501.10.00.00, 5501.20.00.00, 5501.30.00.00, 5501.90.00.00, 5506.10.00.00, 5506.20.00.00, 5506.30.00.00 & 5506.90.00.00.

TABLE 8:
U.S. IMPORTS OF MANUFACTURED FIBERS

ITEM	COMMODITY NUMBER AS OF 1/1/87	THOUSAND POUNDS					THOUSAND DOLLARS				
		1984	1985	1986	1987	1988	1984	1985	1986	1987	1988
ARTIFICIAL (CELL.) FIBERS											
YARN - SINGLES											
TEXTURED	310.0106 & .0206	1571	190	518	305	1483	940	267	610	511	2278
OTHER	310.0130 & .0230[a]	8245	12951	15669	12267	15238	12924	19129	24795	19226	29005
MONOFILAMENTS	309.0310 & .0610	5	19	20	12	7	20	44	68	77	59
STRIPS, $1/LB. & UNDER	309.2000*	160	763	756	227	913	88	624	646	196	726
SUBTOTAL ABOVE		9981	13923	16963	12811	17641	13972	20064	26119	20010	32068
STAPLE	309.4320 & .4325	15388	11286	16453	12931	19037	10320	6844	12678	11128	15491
GROUPED FILAMENTS	309.3010 & .3310	1605	1022	975	893	1364	2619	1471	1305	1600	2105
SUBTOTAL ABOVE		16993	12308	17428	13824	20401	12939	8315	13983	12728	17596
WASTE, ADVANCED & NOT ADVANCED	309.6615 & .7510	530	479	121	85	7	323	263	79	25	14
SYNTHETIC (NONCELL.) FIBERS											
YARN - SINGLES											
TEXTURED - NYLON											
LESS THAN 450 DENIER	310.0107 & .0207	} 17966	32352	2601	2035	2679	} 26141	35244	5025	4170	5266
450 DENIER AND OVER	310.0108 & .0208			33994	26755	17721			37305	29921	22961
- POLYESTER	310.0110 & .0210	10806	16642	14590	15580	15060	10513	14653	13029	15403	14704
- OTHER	310.0114 & .0214	8939	14723	20477	24088	25188	10536	15732	20187	23874	27436
OTHER - NYLON	310.0149 & .0249	30192	18350	22521	22839	17773	39222	23747	30781	36679	30432
- POLYESTER	310.0150 & .0250	15698	16728	22465	19425	21596	21121	20624	28831	25656	33168
- OTHER	310.0170 & .0270[b]	2468	2520	5130	6777	8204	4139	4203	7837	8804	15235
MONOFILAMENTS	309.0200 & .0330[c]	2857	2059	2722	3804	4801	8817	5537	8197	12236	17498
STRIPS, OVER $1/LB	309.2100 & .2500*	1066	1187	1557	2627	3256	5844	5886	6487	8601	11676
SUBTOTAL ABOVE		89992	104561	126057	123930	116278	126333	125626	157679	165344	178376
STAPLE - NYLON	309.4331 & .4351	38281	38544	51959	38955	21944	36579	34292	26229	42829	27622
- POLYESTER	309.4336 & .4361	22890	26800	40785	70721	73198	13272	15841	13456	40278	50045
- ACRYLIC	309.4366	13541	17611	17442	15716	15389	12568	16396	7799	13096	18946
- OLEFIN	309.4371	2213	5732	1871	514	2075	1630	3879	289	400	1072
- OTHER	309.4341 & .4390	15412	25516	14238	12992	17778	11326	21283	4258	12810	23992
GROUPED FILAMENTS											
NYLON	309.3030 & .3200	23129	29514	38536	32248	40211	33524	40769	58505	50546	64708
POLYESTER	309.3040 & .3340	7104	4980	2354	3139	4355	6569	4715	2392	3767	6242
ACRYLIC	309.3050 & .3350	6929	7518	13065	13000	19418	15116	16548	31792	31152	48130
OTHER	309.3065 & .3365	1660	3231	2540	1700	1786	2371	4313	3339	2991	2706
SUBTOTAL ABOVE		131159	159446	182790	188985	196154	132955	153036	148059	197869	243463
WASTE, NOT ADVANCED											
- NYLON	309.6625	31205	27162	22377	26926	22512	13876	10793	7755	8412	8582
- POLYESTER	309.6630	8042	7149	6304	9170	10113	1325	1143	878	1385	1961
- ACRYLIC	309.6645	39	283	328	306	167	8	48	182	70	62
- OTHER	309.6660	4074	2072	8442	4666	2577	2027	607	2142	895	502
NOILS & GARNETTED FIBERS	309.7000*	458	155	164	162	109	254	101	123	83	57
OTHER WASTE, ADVANCED	309.7525 - .7555	6729	3852	2688	5727	5026	1912	890	702	1894	1353
SUBTOTAL ABOVE		50547	40673	40303	46957	40504	19402	13582	11782	12739	12517
TOTAL MANUFACTURED ABOVE		299202	331390	383662	386592	390985	305924	325886	357701	408715	484034
OTHER MANUFACTURED FIBER TOPS, YARN & THREAD											
YARN - PLIED											
TEXTURED - ARTIFICIAL (CELL.)	310.1506	1	1	1	5	+	7	7	15	44	1
- SYNTHETIC (NONCELL.)	310.1015[d] & .1205[e]	12223	9270	10221	3999	2303	17370	9955	11926	6471	4906
OTHER - ARTIFICIAL (CELL.)	310.1030 & .1535[f]	173	390	478	553	382	723	937	1932	2622	3183
- SYNTHETIC (NONCELL.)	310.1050 & .1070[g]	2763	4032	4857	3314	3703	4447	6795	10007	7441	10053
SPUN YARN - ARTIFICIAL (CELL.)	310.4005 & .4030[h]	1724	1739	1879	1541	814	2224	2100	3105	3199	2335
- OTHER	310.4015 & .4027[i]	35583	34260	44691	37128	22206	58127	54897	75910	68943	44590
OTHER YARNS - NES, INCL. CHENILLE	310.6034 - .8000	7517	8912	16759	28029	22911	16210	15640	28555	46150	42205
HANDWORK YARNS & SEWING THREAD	310.9000 & .9310[j]	5445	9283	4593	8338	7632	18111	28952	13846	31339	29859
SLIVER, TOPS & ROVING	309.9000	4544	1941	3298	5537	3914	4792	2334	4467	7085	7530
GLASS FIBER	309.2800 & .2900[k]	23083	34690	24404	29465	26200	19203	27850	23082	29283	30562
GRAND TOTAL ABOVE		392258	435908	494843	504501	481050	447138	475353	530546	611292	659258

Source: U.S. Census Bureau Report IM146.

NES - Not elsewhere specified.

* These items are not reported by the Census as artificial (cellulosic) vs synthetic (noncellulosic). Separation of artificial (cellulosic) and synthetic (noncellulosic) quantities are estimated, based primarily on average declared value.

a. Also includes 310.0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1210.

f. Also includes 310.2110.

g. Also includes 310.1510, .1514, .1550, .1555, .1570, .2030, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Also includes 310.9320 & .9500.

k. Chiefly roving. Also includes 309.9800 & .9900.

TABLE 9:
U.S. EXPORTS OF MANUFACTURED FIBERS

ITEM	COMMODITY NUMBER AS OF 1/1/87	THOUSAND POUNDS					THOUSAND DOLLARS				
		1984	1985	1986	1987	1988	1984	1985	1986	1987	1988
ARTIFICIAL (CELL.) FIBERS											
FILAMENT YARN [a]											
TEXTURED	310.0004	129	101	102	614	248	337	298	242	1323	864
OTHER [b]	310.0026	8614	10412	7002	5428	12049	10051	13859	9207	7768	18651
MONOFILAMENTS	309.0110	12	79	228	285	258	66	178	651	413	629
STRIPS	309.2210	79	37	14	100	102	85	44	16	96	86
SUBTOTAL ABOVE		8834	10629	7436	6427	12657	10539	14379	10116	9600	20230
STAPLE+TOW-RAYON	309.4222	53882	35975	30887	32781	21760	37688	25546	21840	23369	17311
STAPLE-ACETATE	309.4219	2090	1849	1679	1721	2795	2337	2535	2182	2487	3435
SUBTOTAL ABOVE		55972	37824	32566	34502	24555	40025	28081	24022	25856	20746
WASTE, ADVANCED & NOT ADVANCED	309.7400	1632	1207	2222	1090	1921	1062	601	1822	939	706
SYNTHETIC (NONCELL.) FIBERS											
YARN - SINGLES											
NYLON - TEXTURED	310.0005 & .0007	32268	26894	24403	35048	55702	50916	39982	42863	64400	103805
- HIGH TENACITY [c]	310.0027	66732	69386	76870	78107	87142	62515	72294	81880	88840	121769
- OTHER	310.0029	13155	9357	10333	9142	12116	28217	19373	23099	22983	30285
POLYESTER - TEXTURED	310.0010	79753	135997	68753	25057	39592	93889	140792	69534	28774	51042
- HIGH TENACITY [c]	310.0032	9156	32137	23862	24961	27296	11064	29618	27087	29829	35602
- OTHER [d]	310.0034	5968	8934	2347	1794	3033	8371	9270	2410	2567	4341
OTHER - TEXTURED	310.0014	7673	10495	21122	18119	21702	12040	14470	27888	29402	32068
- OLEFIN	310.0040	340	555	1708	940	2874	485	766	1740	1087	3278
- OTHER	310.0044	5261	7766	6084	6799	6819	26909	32505	35562	40240	41958
MONOFILAMENTS, ALL DENIERS											
NYLON	309.0120	2848	2364	5116	6663	6660	10435	9221	12901	16246	17400
POLYESTER	309.0140	3794	5759	6256	12294	21016	10141	14128	13387	21050	35837
OTHER	309.0170	11047	11955	4775	7453	8765	22912	17491	20821	33736	41823
STRIPS	309.2220 & .2270	4460	4204	3943	4805	4361	11398	13903	12945	18837	13051
SUBTOTAL ABOVE		242455	325803	255572	231182	297078	349292	413813	372117	397991	532259
STAPLE - NYLON	309.4240	14904	11100	15037	23447	21440	21685	13854	17288	24690	24598
- POLYESTER	309.4242	178903	176697	111270	168127	143976	116843	112222	68239	90039	96891
- ACRYLIC	309.4245	162285	150729	58397	67074	130235	114377	100146	40763	47571	93145
- OLEFIN	309.4246	4368	6974	14623	21433	18794	4088	5754	12670	17842	16221
- OTHER	309.4247	8555	10695	17410	35295	24112	30566	35401	57209	77415	75185
GROUPED FILAMENTS											
NYLON	309.3220	3048	1948	3701	5483	7134	8947	4635	9480	12681	15943
POLYESTER [d]	309.3240	23693	29155	21511	20573	20438	20749	23335	18135	18148	22156
ACRYLIC	309.3250 & .3255	33807	29214	21965	24497	32971	27202	24095	19498	19459	26532
SUBTOTAL ABOVE		429563	416512	263914	365929	399100	344457	319442	243282	307845	370671
WASTE, ADVANCED & NOT ADVANCED											
- NYLON	309.7620	12465	5601	8855	11686	18840	6494	3048	4441	6047	8709
- POLYESTER	309.7630	57371	46404	59265	56412	65478	22417	17722	24245	25423	33533
- ACRYLIC	309.7640	4620	4804	6399	9569	9688	1365	1286	1372	3045	4856
- OTHER	309.7660	15203	18836	49177	35860	50386	6385	6818	15315	12710	19407
SUBTOTAL ABOVE		89659	75645	123696	113527	144392	36661	28874	45373	47225	66505
TOTAL MANUFACTURED ABOVE		828115	867620	685316	752657	879703	782036	805390	696732	789456	1011117
GLASS FIBER	309.2700 & .9700	58101	58328	61160	85378	106530	56385	57787	66134	95496	120313
GRAND TOTAL ABOVE		886216	925948	746476	838035	986233	838421	863177	762866	884952	1131430

SOURCE: U.S. Census Bureau Report EM546

a. Includes thrown, singles and plied yarn.
b. Includes rayon tire cord and cord fabric.
c. Includes noncellulosic tire cord and cord fabric.
d. Includes zero twist yarns.

TABLE 10:
U.S. MANUFACTURED FIBER IMPORTS

ITEM	THOUSAND POUNDS	THOUSAND DOLLARS
	1989	1989
ARTIFICIAL (CELLULOSIC) FIBER		
FILAMENT YARN		
HIGH TENACITY	2456	6366
TEXTURED	1380	1776
OTHER	20591	37649
MONOFILAMENTS & STRIPS	1022	2089
SUBTOTAL ABOVE	**25449**	**47880**
STAPLE	53140	50107
TOW	800	1004
TOPS	55	148
SUBTOTAL ABOVE	**53995**	**51259**
WASTE	**574**	**206**
SYNTHETIC (NONCELLULOSIC) FIBERS		
FILAMENT YARN		
NYLON		
HIGH TENACITY	19511	36494
TEXTURED		
UP TO 450 DENIER	3550	8844
OVER 450 DENIER	14098	16308
OTHER	47182	77096
MONOFILAMENTS & STRIPS	1303	4983
SUBTOTAL ABOVE	**85644**	**143725**
POLYESTER		
HIGH TENACITY	7810	11120
TEXTURED	18939	20716
POY	16274	13290
OTHER	18931	30409
MONOFILAMENTS & STRIPS	737	1642
SUBTOTAL ABOVE	**62691**	**77177**
OTHER SYNTHETIC FILAMENT		
TEXTURED	19246	21603
OTHER	7774	22532
MONOFILAMENTS & STRIPS	6890	23405
SUBTOTAL ABOVE	**33910**	**67540**
STAPLE		
NYLON	21711	29771
POLYESTER	117637	84212
ACRYLIC	17937	19176
POLYPROPYLENE	2093	1942
OTHER	4373	6558
TOW		
NYLON	4493	4930
POLYESTER	969	1165
ACRYLIC	19583	23618
OTHER	584	630
TOPS	2977	6027
SUBTOTAL ABOVE	**192417**	**178049**
WASTE		
NYLON	23982	7826
POLYESTER	17038	4766
OTHER	7001	1744
TOTAL MANUFACTURED FIBERS ABOVE	**502701**	**580172**
OTHER MFRD. FIBER YARN & THREAD		
SEWING THREAD		
FILAMENT	1375	7184
SPUN YARN	5129	15736
SPUN YARNS		
SYNTHETIC	7865	13528
ARTIFICIAL	0	0
PUT UP FOR RETAIL SALE	601	2695
GRAND TOTAL ABOVE	**517671**	**619316**

SOURCE: U.S. Census Bureau Report IM146

Effective January 1,1989 the U.S. Imports are based on the new Harmonized System (HS). On pages 73 through 79 of the *Fiber Organon*, April 1989 issue, we present the Harmonized Tariff Schedule of the United States covering artificial (cellulosic) and synthetic (noncellulosic) fibers, Annotated for Statistical Reporting Purposes. **Data for 1989 is not comparable to prior years.**

TABLE 11:
U.S. MANUFACTURED FIBER EXPORTS

ITEM	THOUSAND POUNDS	THOUSAND DOLLARS
	1989	1989
ARTIFICIAL (CELLULOSIC) FIBER		
FILAMENT YARN		
HIGH TENACITY	956	1764
TEXTURED	1977	2198
OTHER	974	1477
MONOFILAMENTS & STRIPS	362	637
SUBTOTAL ABOVE	4269	6076
STAPLE	19196	18713
TOPS	895	269
SUBTOTAL ABOVE	20091	18982
WASTE	11554	5132
SYNTHETIC (NONCELLULOSIC) FIBERS		
FILAMENT YARN		
NYLON		
HIGH TENACITY	108014	154954
TEXTURED		
UP TO 450 DENIER	9182	35982
OVER 450 DENIER	50037	92442
OTHER	25207	57969
MONOFILAMENTS & STRIPS	1908	3345
SUBTOTAL ABOVE	194348	344692
POLYESTER		
HIGH TENACITY	39124	50197
TEXTURED	33544	45252
POY	16687	21369
OTHER	10354	15841
MONOFILAMENTS & STRIPS	3187	6648
SUBTOTAL ABOVE	102896	139..7
OTHER SYNTHETIC FILAMENT		
TEXTURED	9165	15393
OTHER	20443	84570
MONOFILAMENTS & STRIPS	8874	27904
SUBTOTAL ABOVE	38482	127867
STAPLE		
NYLON	32261	38497
POLYESTER	111985	87131
ACRYLIC	73604	54364
POLYPROPYLENE	27344	24140
OTHER	19593	62761
TOW		
NYLON	992	2375
POLYESTER	4244	6650
ACRYLIC	18532	16092
OTHER	1398	3117
TOPS	32592	35676
SUBTOTAL ABOVE	322545	330803
WASTE		
NYLON	29594	12816
POLYESTER	41872	18927
OTHER	69923	25073
TOTAL MANUFACTURED FIBERS ABOVE	835574	1029675
OTHER MFRD. FIBER YARN & THREAD		
SEWING THREAD		
FILAMENT	732	3278
SPUN YARN	0	0
SPUN YARNS		
SYNTHETIC	13793	23431
ARTIFICIAL	2	4
PUT UP FOR RETAIL SALE	7985	13662
GRAND TOTAL ABOVE	858086	1070050

SOURCE: U.S. Census Bureau Report EM522

Effective January 1,1989 the U.S. Exports are based on the new Harmonized System (HS). On pages 73 through 79 of the *Fiber Organon*, April 1989 issue, we present the Harmonized Tariff Schedule of the United States covering artificial (cellulosic) and synthetic (noncellulosic) fibers, Annotated for Statistical Reporting Purposes. **Data for 1989 is not comparable to prior years.**

TABLE 12:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN [a]
THOUSAND POUNDS

	A. SYNTHETIC (NONCELLULOSIC) YARN - SINGLES						B. SYNTHETIC (NONCELLULOSIC) STAPLE+TOW								C. SPUN YARNS				D. WASTE			
	NYLON		POLYESTER		OTHER		NYLON		POLYESTER		ACRYLIC		OTHER		ARTIFICIAL (CELL.)		SYNTHETIC (NONCELL.)		ARTIFICIAL (CELL.)		SYNTHETIC (NONCELL.)	
COUNTRY	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989
AUSTRIA	7	8	24	0	51	79	21	39	0	0	0	0	6507	150	142	0	157	124	0	0	0	0
BELGIUM/LUXEMBOURG	518	3282	0	2	10052	1105	90	37	204	964	57	0	615	44	0	0	1	0	0	0	420	46
DENMARK	0	0	0	7	0	0	0	0	0	0	0	0	56	0	0	0	0	0	2	0	0	0
FINLAND	0	0	0	6	0	0	0	0	0	0	0	0	73	0	0	0	80	0	0	0	0	0
FRANCE	6118	11784	10	311	41	1	10454	4007	515	0	42	0	214	0	1	0	353	554	0	0	966	757
GERMANY, FED. REP. OF	3176	17284	6635	9566	3370	206	18688	4499	2736	3023	10422	8540	2153	702	160	0	1964	2226	0	46	2587	3260
GREECE	0	0	0	0	1	12	0	0	0	0	0	0	0	0	0	0	605	0	0	0	0	0
IRELAND	0	0	0	41	931	787	0	0	3062	1489	0	0	0	0	0	0	0	0	0	0	0	281
ITALY	9908	7101	40	85	195	234	572	263	182	6	678	1519	256	767	0	0	2226	419	1	0	0	0
NETHERLANDS	160	1034	119	204	118	538	20	0	176	1631	0	0	32	3	0	0	0	2	0	0	2597	2990
PORTUGAL	0	0	0	0	0	294	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
SPAIN	0	26	95	0	340	66	8	0	0	8	2	456	569	31	0	0	257	0	0	82	242	0
SWITZERLAND	5	6	33	11	3	3	749	1805	68	92	135	0	769	7	0	0	67	16	0	0	315	794
UNITED KINGDOM	7625	17711	978	690	1126	1500	12990	5691	99	209	9465	13737	0	90	5	0	379	52	0	35	3133	3237
OTHER	106	98[a]	0	49[d]	101	104[h]	259	0	0	866[j]	0	0	0	0	0	0	1331	0	0	0	0	0
TOTAL WESTERN EUROPE	27623	58334	7934	10972	16329	4929	43853	16341	7042	8288	20801	24252	11244	1794	308	0	7420	3395	3	163	10260	11365
POLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROMANIA	0	0	912	86	0	0	1200	0	1174	202	0	0	0	0	0	0	1892	0	0	0	0	0
OTHER	0	0	0	11[e]	0	0	0	0	0	0	0	0	59	42[l]	0	0	1115	0	0	0	0	0
TOTAL EASTERN EUROPE	0	0	912	97	0	0	1200	0	1174	202	0	0	59	42	0	0	3007	0	0	0	0	0
CANADA	3781	17777	3062	1803	15206	17432	15968	8058	10203	5697	6	6	2626	1721	6	0	1019	1460	4	367	12319	13922
ARGENTINA	179	44	0	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	892	476
BRAZIL	1	0	1116	61	0	544	0	10	0	0	0	0	140	122	0	0	58	30	0	0	0	0
COSTA RICA	0	3	6428	5882	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	130
MEXICO	3610	4759	14458	19014	829	986	6	0	5454	8269	1577	2931	251	37	0	0	2048	998	0	0	7092	10768
OTHER	0	15[b]	89	944[f]	313	0	0	0	0	0	0	0	0	[m]	0	0	285	0	0	0	0	29[o]
TOTAL OTHER AMERICA	3790	4821	22091	25947	1142	1530	6	10	5454	8269	1577	2931	391	160	0	0	2391	1028	0	0	8064	11403
BANGLADESH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HONG KONG	0	0	0	0	3	0	61	3	0	89	0	0	0	0	0	0	0	0	0	0	0	0
INDONESIA	0	0	0	0	0	0	0	0	0	370	0	0	0	0	0	0	649	0	0	0	0	0
KOREA, REP. OF	8	0	0	23	2	80	0	0	20736	41345	0	0	247	1199	0	0	268	100	0	0	2368	3962
MALAYSIA	0	0	0	0	0	0	0	0	476	87	0	0	0	0	0	0	862	425	0	0	0	0
PHILIPPINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	130	0	0	0	75	0
SINGAPORE	0	0	0	157	0	0	0	0	0	0	0	0	0	0	0	0	929	0	0	0	0	43
TAIWAN	0	157	110	17285	121	6	3	0	9438	25901	81	0	2528	38	0	0	249	62	0	44	0	1120
THAILAND	0	970	5	13	0	158	0	0	0	3	0	0	0	0	0	0	719	828	0	0	0	0
OTHER	0	0	0	0	0	0	0	36[i]	12022	17269[k]	0	0	0	0	0	0	0	0	0	0	0	26[p]
TOTAL OTHER ASIA	8	1127	115	17478	126	244	64	39	42672	85064	81	0	2775	1237	0	0	3806	1415	0	44	2443	5151

TABLE 12:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN[a] *(CONTINUED)*
THOUSAND POUNDS

	A. SYNTHETIC (NONCELLULOSIC) YARN - SINGLES						B. SYNTHETIC (NONCELLULOSIC) STAPLE+TOW								C. SPUN YARNS				D. WASTE			
	NYLON		POLYESTER		OTHER		NYLON		POLYESTER		ACRYLIC		OTHER		ARTIFICIAL (CELL.)		SYNTHETIC (NONCELL.)		ARTIFICIAL (CELL.)		SYNTHETIC (NONCELL.)	
COUNTRY	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989
CHINA, PRC	0	0	0	0	0	0	0	0	0	0	0	0	5	2	0	0	2789	377	0	0	906	0
JAPAN	87	453	2391	5142	588	2790	701	983	10982	11052	12256	10331	4345	1999	500	0	1500	178	0	0	3723	3405
AUSTRALIA	0	46	53	0	0	5	275	604	23	94	0	0	194	95	0	0	6	4	0	0	1473	1884
EGYPT	0	0	0	258	0	0	0	0	3	0	2	0	0	0	0	0	0	0	0	0	0	0
ISRAEL	2884	1746	98	229	1	90	88	169	0	0	14	0	0	0	0	0	0	0	0	0	1316	891
NEW ZEALAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOUTH AFRICA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	0	37[c]	0	289	0	0	0	0	0	0	70	0	0	0	0	0	268	8[n]	0	0	0	0
TOTAL M.E., A. & O.	2884	1829	151	515	1	95	363	773	26	94	86	0	194	95	0	0	274	12	0	0	2789	2775
GRAND TOTAL	38173	84341	36656	61954	33392	27020	62155	26204	77553	118666	34807	37520	21639	7050	814	0	22206	7865	7	574	40504	48021

SOURCE: U.S. Census Bureau Report !M146.

\+ Less than 1 thousand pounds.

For 1988 the commodity numbers are:

A. Nylon 310.0107, .0108, .0149, .0207, .0208 & .0249.
Polyester 310.0110, .0150, .0210 & .0250.
Other 310.0114, .0170, .0214, .0270, .0530, .0550, .0630 & .0650.

B. Nylon 309.3030, .3200, .4331 & .4351.
Polyester 309.3040, .3340, .4336 & .4361.
Acrylic 309.3050, .3350 & .4366.
Other 309.3065, .3365, .4341, .4371 & .4390.

C. Artificial (Cellulosic) 310.4005, .4030, .5005 & .5030.
Synthetic (Noncellulosic) 310.4015, .4027, .4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

D. Artificial (Cellulosic) 309.6615 & .7510.
Synthetic (Noncellulosic) 309.6625, .6630, .6645, .6660, .7000, .7525, .7530, .7540 & .7555.

For 1989 the Harmonized Tariff Schedule numbers are:

A. Nylon 5402.10.30.20, 5402.10.30.40, 5402.10.60.00, 5402.31.30.00, 5402.31.60.00, 5402.32.30.00, 5402.32.60.00, 5402.41.00.20, 5402.41.00.40, 5402.51.00.00 & 5402.61.00.00.
Polyester 5402.20.30.20, 5402.20.30.40, 5402.20.60.00, 5402.33.30.00, 5402.33.60.00, 5402.42.00.00, 5402.43.00.20, 5402.43.00.40, 5402.52.00.00 & 5402.62.00.00.
Other 5402.39.30.00, 5402.39.30.10, 5402.39.30.90, 5402.39.60.00, 5402.39.60.10, 5402.39.60.90, 5402.49.00.10, 5402.49.00.30, 5402.49.00.60, 5402.49.00.80, 5402.59.00.00 & 5402.69.00.00.

B. Nylon 5503.10.00.00 & 5501.10.00.00.
Polyester 5503.20.00.00 & 5501.20.00.00.
Acrylic 5503.30.00.00 & 5501.30.00.00.
Other 5503.40.00.00, 5503.90.00.00 & 5501.90.00.00.

C. Artificial (Cellulosic) 5510.00.00.00, 5510.90.20.00, 5510.12.00.00, 5510.90.40.00, 5510.20.00.00, 5510.30.00.00 & 5510.90.60.00.
Synthetic (Noncellulosic) 5509.11.00.00, 5509.21.00.00, 5509.51.30.00, 5509.31.00.00, 5509.41.00.00, 5509.69.20.00, 5509.99.20.00, 5509.12.00.00, 5509.22.00.10, 5509.22.00.90, 5509.51.60.00, 5509.32.00.00, 5509.42.00.00, 5509.69.40.00, 5509.99.40.00, 5509.52.00.00, 5509.53.00.30, 5509.53.00.60, 5509.59.00.00, 5509.61.00.00, 5509.62.00.00, 5509.69.60.00, 5509.91.00.00, 5509.92.00.00 & 5509.99.60.00.

D. Artificial (Cellulosic) 5505.20.00.00.
Synthetic (Noncellulosic) 5505.10.00.20, 5505.10.00.40 & 5505.10.00.60.

a. Turkey 76, Sweden 22.
b. Peru 13, Haiti 2.
c. Morocco 37.
d. Turkey 49.
e. Yugoslavia 11.
f. Ecuador 632, Peru 171, El Salvador 80, Colombia 41, Honduras 20.
g. Nigeria 28.
h. Turkey 104.
i. India 36.
j. Turkey 866.
k. India 17269.
l. Germany, Dem. Rep. 42.
m. Venezuela 29.
n. Mozambique 8.
o. Venezuela 1.
p. India 26.

GRAPH 6:
IMPORTS VS. EXPORTS OF MANUFACTURED FIBER

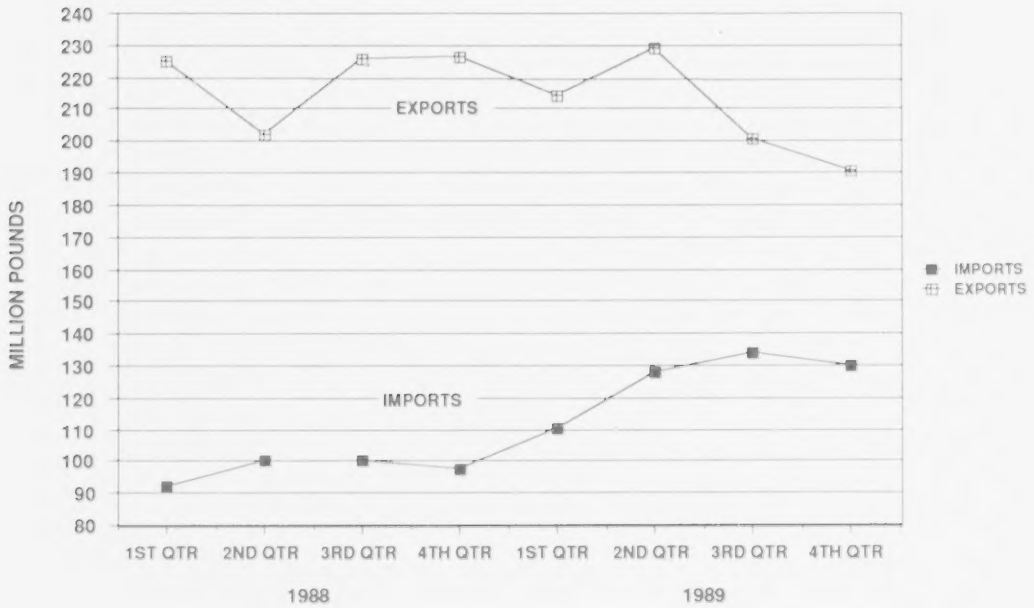


TABLE 13:
MANUFACTURED FIBER QUARTERLY TRADE BALANCE
MILLION POUNDS

	ARTIFICIAL (CELLULOSIC) YARN & MONOFIL			ARTIFICIAL (CELLULOSIC) STAPLE+TOW			SYNTHETIC (NONCELLULOSIC) YARN & MONOFIL			SYNTHETIC (NONCELLULOSIC) STAPLE+TOW			ARTIFICIAL (CELLULOSIC) WASTE			SYNTHETIC (NONCELLULOSIC) WASTE			TOTAL		
	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL
1988																					
1ST QUARTER	4.0	2.4	(1.6)	3.3	5.1	1.8	29.8	74.0	44.2	43.3	111.9	68.6	+	0.6	0.6	11.8	31.0	19.2	92.2	225.0	132.8
2ND QUARTER	4.0	3.9	(0.1)	4.1	7.0	2.9	28.1	70.3	42.2	53.7	88.3	34.6	0	0.4	0.4	10.6	32.1	21.5	100.5	202.0	101.5
3RD QUARTER	4.4	3.7	(0.7)	6.0	6.8	0.8	30.2	79.1	48.9	51.0	100.6	49.6	0	0.7	0.7	8.6	35.1	26.5	100.2	226.0	125.8
4TH QUARTER	5.2	2.6	(2.6)	6.9	5.6	(1.3)	28.1	73.6	45.5	48.1	98.3	50.2	+	0.2	0.2	9.5	46.1	36.6	97.8	226.4	128.6
TOTAL	17.6	12.6	(5.0)	20.3	24.5	4.2	116.2	297.0	180.8	196.1	399.1	203.0	+	1.9	1.9	40.5	144.3	103.8	390.7	879.4	488.7
1989																					
1ST QUARTER	6.1	1.5	(4.6)	15.1	6.0	(9.1)	38.9	85.3	46.4	41.0	80.3	39.3	0.2	3.4	3.2	9.2	38.1	28.9	110.5	214.6	104.1
2ND QUARTER	5.7	0.3	(5.4)	13.2	4.6	(8.7)	49.3	90.2	40.9	49.2	91.3	42.1	0.2	3.9	3.7	10.3	38.6	28.3	128.0	228.9	100.9
3RD QUARTER	7.1	1.5	(5.6)	12.4	6.0	(6.4)	51.5	78.9	27.4	50.1	78.0	27.9	0.1	2.1	2.0	12.6	34.6	22.0	133.8	201.1	67.3
4TH QUARTER	6.5	1.0	(5.5)	13.2	3.5	(9.7)	42.5	81.3	38.8	52.1	72.9	20.8	+	2.2	2.2	15.9	30.1	14.2	130.2	191.0	60.8
TOTAL	25.4	4.3	(21.1)	54.0	20.1	(33.9)	182.2	335.7	153.5	192.4	322.5	130.1	0.5	11.6	11.1	48.0	141.4	93.4	502.5	835.6	333.1

SOURCES: The fiber import and export data are from the U.S. Bureau of the Census (Reports IM145X and EM522).

TABLE 14:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEMS & COUNTRY	1989 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1989	1988
ARTIFICIAL (CELLULOSIC) YARN, MONOFIL & STRIPS														
AUSTRIA	0	0	6	1	4	0	139	0	37	112	134	77	510	
BRAZIL	53	110	55	0	54	76	22	53	53	26	0	53	555	
CANADA	745	619	686	613	656	532	399	634	533	747	629	403	7196	
CHILE	44	22	22	22	22	44	48	0	44	0	0	44	312	
GERMANY, FED. REP. OF	784	515	697	452	436	362	521	928	784	964	1389	240	8072	
IRELAND	37	0	36	138	34	36	107	69	104	0	70	35	666	
JAPAN	55	121	122	185	110	206	57	81	72	42	71	33	1155	
KOREA, REP. OF	66	22	0	56	0	22	11	3	0	14	0	0	194	
MEXICO	156	99	171	45	153	144	213	141	169	124	122	80	1617	
NETHERLANDS	61	239	261	173	204	380	262	413	302	382	292	293	3262	
UNITED KINGDOM	75	68	113	135	75	66	84	40	71	47	55	31	860	
ALL OTHER COUNTRIES [a]	40	24	30	8	168	62	363	79	232	16	11	17	1050	
TOTAL ARTIFICIAL YARN	2116	1839	2199	1828	1916	1930	2226	2441	2401	2474	2773	1306	25449	17641
ARTIFICIAL (CELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	323	422	377	226	381	430	394	568	39	482	206	406	4254	
CANADA	4757	1990	4093	3462	3409	2370	1638	4140	3000	3512	3766	2643	38780	
CHINA, PRC	104	0	369	0	752	0	110	0	0	0	111	0	1446	
GERMANY, DEM. REP.	0	0	95	43	82	80	44	0	0	0	0	0	344	
GERMANY, FED. REP. OF	68	67	95	116	114	142	208	179	236	183	126	47	1591	
JAPAN	150	521	422	263	107	60	84	61	174	147	139	45	2173	
SWITZERLAND	9	25	41	37	65	40	286	7	14	37	32	22	615	
TAIWAN	28	0	28	88	320	0	264	176	0	176	183	179	1442	
UNITED KINGDOM	265	225	1	47	69	42	67	135	130	190	45	87	1303	
ALL OTHER COUNTRIES [b]	273	241	123	138	111	255	42	261	126	239	131	107	2047	
TOTAL ARTIFICIAL STAPLE+TOW	5977	3491	5644	4420	5420	3419	3137	5527	3719	4966	4739	3536	53995	20401
SYNTHETIC (NONCELLULOSIC) YARN, MONOFIL & STRIPS														
ARGENTINA	0	30	46	0	11	38	1479	1	959	774	0	14	3352	
BELGIUM	0	56	115	171	343	236	568	685	399	323	492	1022	4410	
BRAZIL	106	63	170	30	140	201	57	191	92	114	49	49	1262	
CANADA	3437	2926	2969	2399	3327	3304	2445	3580	3717	3978	3167	2650	37899	
COSTA RICA	252	487	591	433	415	517	537	515	657	541	319	621	5885	
ECUADOR	91	26	144	0	58	23	71	33	33	36	117	0	632	
FRANCE	1180	1151	1079	1159	1159	1085	972	799	516	1432	794	1064	12390	
GERMANY, FED. REP. OF	2231	2204	2641	2514	2357	3691	2202	1988	2515	1844	2492	1661	28340	
ISRAEL	299	217	172	149	285	244	117	124	103	98	91	151	2050	
ITALY	924	323	873	859	1031	132	489	526	620	568	546	573	7464	
JAPAN	469	610	568	609	548	502	845	1110	960	1304	1084	811	9420	
KOREA, REP. OF	10	49	7	81	98	42	89	0	59	17	97	0	549	
MEXICO	1447	2222	2385	1857	2527	2911	2490	2806	2210	1691	1060	1130	24736	
NETHERLANDS	68	193	267	338	69	63	398	104	7	381	38	4	1930	
SINGAPORE	0	25	0	33	0	33	16	16	16	0	30	0	169	
TAIWAN	50	175	650	1296	2844	3217	3133	2680	1259	1138	1183	368	17993	
THAILAND	65	64	69	67	63	171	124	142	70	96	95	76	1102	
UNITED KINGDOM	1482	1357	1409	1649	1790	1506	1635	2014	1437	2234	1841	1631	19985	
ALL OTHER COUNTRIES [c]	36	175	221	260	67	330	189	324	443	196	310	126	2677	
TOTAL SYNTHETIC YARN	12147	12353	14376	13904	17132	18246	17856	17638	16072	16765	13805	11951	182245	116278
SYNTHETIC (NONCELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	0	3	9	13	1	0	79	0	11	2	57	14	189	
AUSTRALIA	31	160	1	82	16	43	149	78	0	134	24	54	772	
BELGIUM	47	99	60	56	67	7	7	378	35	368	16	203	1343	
CANADA	1413	737	1481	1489	1292	874	622	818	1242	1417	2143	2111	15639	
FRANCE	230	304	253	405	388	336	136	519	102	573	416	428	4090	
GERMANY, FED. REP. OF	1985	1758	1318	1293	1491	1780	1084	2057	753	1440	1287	811	17057	
INDIA	0	0	3772	3400	709	49	1772	2893	3690	992	0	36	17313	
IRELAND	280	480	305	348	0	36	0	0	0	0	39	0	1488	
ITALY	482	394	206	46	61	34	70	193	264	217	217	358	2542	
JAPAN	1773	1757	2303	2770	2429	1826	1929	2894	1648	2554	2166	2146	26195	
KOREA, REP. OF	2297	3387	3933	4165	5687	4876	4806	2638	3190	4035	1270	2960	43244	
MEXICO	1049	372	420	1016	783	462	579	797	434	464	1599	3097	11072	
NETHERLANDS	31	103	99	81	56	105	21	617	365	44	3	10	1535	
SPAIN	8	0	178	39	65	128	0	0	0	34	0	12	464	
SWITZERLAND	146	165	134	186	125	42	242	214	88	128	305	88	1843	
TAIWAN	262	235	215	808	917	2057	2093	1994	4020	3424	6973	3024	26022	
TURKEY	18	0	0	0	111	37	90	105	0	269	162	74	866	
UNITED KINGDOM	2318	2304	1643	2107	2671	1229	1645	810	1535	1139	1100	1162	19663	
ALL OTHER COUNTRIES [d]	2	53	45	56	29	28	0	241	111	42	205	268	1080	
TOTAL SYNTHETIC STAPLE+TOW	12372	12311	16375	18340	16898	13949	15324	17246	17488	17276	17982	16856	192417	196154

a. Belgium 617, Italy 148, Taiwan 68, China, PRC 51, France 46, Greece 41, Norway 32, Singapore 23, Egypt 21, India 2, Uruguay 1.

b. Poland 436, Finland 274, Australia 217, Italy 194, Romania 175, Korea, Rep. of 171, France 148, Sweden 131, Belgium 73, Spain 47, Chile 46, Norway 40, Peru 37, Netherlands 28, India 18, Thailand 11, Mexico 1.

c. Ireland 851, Portugal 342, Egypt 258, Turkey 201, Peru 182, Austria 124, Spain 92, Switzerland 92, Romania 86, China, PRC 82, El Salvador 80, Australia 51, Colombia 41, Morocco 37, Nigeria 35, Sweden 32, Hong Kong 31, Honduras 20, Greece 11, Yugoslavia 11, Denmark 9, Finland 6, Haiti 2, Norway 1.

d. Romania 243, Indonesia 176, Venezuela 176, Israel 169, Brazil 132, Hong Kong 92, Malaysia 44, Germany, Dem. Rep. 42, Thailand 3, China, PRC 2, Peru 1.

Effective January 1, 1989 the U.S. Manufactured Imports for Consumption by Country of Origin are based on the new Harmonized System (HS). On pages 73 through 79 of the *Fiber Organon*, April 1989 issue, we present the Harmonized Tariff Schedule of the United States covering artificial (cellulosic) and synthetic (noncellulosic) fibers, Annotated for Statistical Reporting Purposes. **Data for 1989 is not comparable to prior years.**

Selected U.S. Manufactured Imports for Consumption by Country of Origin for 1988 are published in the *Textile Organon*, February 1989 issue, page 31.

TABLE 15:
U.S. MANUFACTURED FIBER IMPORTS
THOUSAND POUNDS

ITEM	1989 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1989	1988
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	114	266	408	205	111	192	176	252	148	175	202	207	2456	
TEXTURED	180	1	0	24	0	27	497	58	275	222	65	31	1380	
OTHER	1726	1532	1671	1449	1732	1673	1402	2036	1873	2048	2433	1016	20591	
MONOFILAMENTS & STRIPS	96	40	120	150	73	38	151	95	105	29	73	52	1022	
SUBTOTAL ABOVE	**2116**	**1839**	**2199**	**1828**	**1916**	**1930**	**2226**	**2441**	**2401**	**2474**	**2773**	**1306**	**25449**	**17641**
STAPLE	5924	3481	5624	4403	5312	3419	3113	5451	3512	4825	4631	3445	53140	
TOW	47	0	0	7	103	0	24	72	207	141	108	91	800	
TOPS	6	10	20	10	5	0	0	4	0	0	0	0	55	
SUBTOTAL ABOVE	**5977**	**3491**	**5644**	**4420**	**5420**	**3419**	**3137**	**5527**	**3719**	**4966**	**4739**	**3536**	**53995**	**20401**
WASTE	**18**	**122**	**47**	**213**	**0**	**0**	**0**	**94**	**44**	**0**	**0**	**36**	**574**	**7**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	1037	1093	1506	1578	1829	1964	1480	1706	1698	2290	1692	1638	19511	
TEXTURED														
UP TO 450 DENIER	385	217	359	285	319	315	333	428	270	234	237	168	3550	
OVER 450 DENIER	1311	1054	1428	1294	1241	654	943	865	1164	1360	1191	1593	14098	
OTHER	3820	3306	3786	3845	4296	5210	4007	4096	3664	3623	3627	3902	47182	
MONOFILAMENTS & STRIPS	72	159	58	113	143	116	120	63	89	132	176	62	1303	
SUBTOTAL ABOVE	**6625**	**5829**	**7137**	**7115**	**7828**	**8259**	**6883**	**7158**	**6885**	**7639**	**6923**	**7363**	**85644**	**38173**
POLYESTER														
HIGH TENACITY	957	880	909	488	797	703	361	603	557	686	445	424	7810	
TEXTURED	883	1673	1738	1766	1775	2385	1747	2230	1822	1231	911	778	18939	
POY	0	40	642	1088	2744	3214	3170	2407	989	821	936	223	16274	
OTHER	1152	1481	1719	1740	1324	1567	1551	1815	1487	2012	1968	1115	18931	
MONOFILAMENTS & STRIPS	65	80	34	55	24	70	73	65	171	27	50	23	737	
SUBTOTAL ABOVE	**3057**	**4154**	**5042**	**5137**	**6664**	**7939**	**6902**	**7120**	**5026**	**4777**	**4310**	**2563**	**62691**	**36656**
OTHER SYNTHETIC FILAMENT														
TEXTURED	2057	1685	1550	1054	2074	1555	1199	1981	1981	2030	1407	673	19246	
OTHER	261	386	339	274	171	136	1049	1015	944	1276	808	1115	7774	
MONOFILAMENTS & STRIPS	147	299	308	324	395	357	1823	364	1236	1043	357	237	6890	
SUBTOTAL ABOVE	**2465**	**2370**	**2197**	**1652**	**2640**	**2048**	**4071**	**3360**	**4161**	**4349**	**2572**	**2025**	**33910**	**41449**
STAPLE														
NYLON	1726	1896	1845	1592	1422	1273	1445	1611	1396	2017	2716	2772	21711	
POLYESTER	5584	5594	10047	10627	10327	8674	9941	11597	12729	10748	11419	10410	117697	
ACRYLIC	1934	1028	1576	1518	1206	1511	1335	2194	839	1868	1509	1419	17937	
POLYPROPYLENE	44	55	197	351	93	220	298	55	150	374	148	108	2093	
OTHER	172	1040	651	740	167	165	259	245	83	272	371	208	4373	
TOW														
NYLON	237	433	257	504	341	315	225	524	221	623	406	407	4493	
POLYESTER	47	78	131	49	140	114	31	32	203	102	0	42	969	
ACRYLIC	2023	1709	1127	2522	2868	1462	1574	837	1751	1197	1235	1278	19583	
OTHER	117	120	146	0	0	14	0	15	0	0	15	157	584	
TOPS	488	358	398	437	334	201	216	136	116	75	163	55	2977	
SUBTOTAL ABOVE	**12372**	**12311**	**16375**	**18340**	**16898**	**13949**	**15324**	**17246**	**17488**	**17276**	**17982**	**16856**	**192417**	**196154**
WASTE														
NYLON	1971	1804	1754	2087	1949	2027	1769	2266	1265	2170	2724	2196	23982	
POLYESTER	999	340	730	1029	846	973	1475	2106	1821	1942	2028	2749	17038	
OTHER	396	725	477	486	547	389	326	675	897	850	754	479	7001	
TOTAL MANUFACTURED FIBERS ABOVE	**35996**	**32985**	**41602**	**42307**	**44708**	**40933**	**42113**	**47993**	**43707**	**46443**	**44805**	**39109**	**502701**	**390985**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	229	84	46	26	74	73	105	171	124	198	128	117	1375	
SPUN YARN	492	396	370	287	418	406	466	798	368	374	412	342	5129	
SPUN YARNS														
SYNTHETIC	517	515	517	258	677	1019	937	801	902	755	529	438	7865	
ARTIFICIAL	0	0	0	0	0	0	0	0	0	0	0	0	0	
PUT UP FOR RETAIL SALE	71	50	27	37	74	39	128	63	21	32	26	33	601	
GRAND TOTAL ABOVE	**37305**	**34030**	**42562**	**42915**	**45951**	**42470**	**43749**	**49826**	**45122**	**47802**	**45900**	**40039**	**517671**	**481050**

SOURCE: U.S. Census Bureau Report IM145X.

Effective January 1, 1989 the U.S. Imports are based on the new Harmonized System (HS). On pages 73 through 79 of the ***Fiber Organon***, April 1989 issue, we present the Harmonized Tariff Schedule of the United States covering artificial (cellulosic) and synthetic (noncellulosic) fibers. Annotated for Statistical Reporting Purposes. **Data for 1989 is not comparable to prior years.**

U.S. Monthly Imports of Manufactured Fibers for 1988, are published in the ***Textile Organon***, February 1989 issue, on page 32.

TABLE 16:
U.S. MANUFACTURED FIBER EXPORTS
THOUSAND POUNDS

ITEM	1989 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1989	1988
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	9	13	45	26	30	16	74	117	78	82	66	400	956	
TEXTURED	463	17	29	1	29	28	1009	26	26	0	16	333	1977	
OTHER	694	63	18	60	21	15	51	30	6	5	3	8	974	
MONOFILAMENTS & STRIPS	90	0	7	93	5	9	21	12	2	8	34	81	362	
SUBTOTAL ABOVE	**1256**	**93**	**99**	**180**	**85**	**68**	**1155**	**185**	**112**	**95**	**119**	**822**	**4269**	**12657**
STAPLE	2827	1786	1325	920	1659	1786	2084	2167	1495	835	1112	1200	19196	
TOPS	94	0	8	129	53	48	7	101	133	143	0	179	895	
SUBTOTAL ABOVE	**2921**	**1786**	**1333**	**1049**	**1712**	**1834**	**2091**	**2268**	**1628**	**978**	**1112**	**1379**	**20091**	**24555**
WASTE	**1303**	**559**	**1587**	**1116**	**1635**	**1108**	**1021**	**551**	**491**	**674**	**969**	**540**	**11554**	**1921**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	9331	9410	7884	16614	6326	6999	11613	7987	7577	6351	9433	8489	108014	
TEXTURED														
UP TO 450 DENIER	522	586	719	666	819	1271	488	856	954	951	585	765	9182	
OVER 450 DENIER	4706	5051	5459	4430	4096	3626	3176	4030	3042	4025	3684	4712	50037	
OTHER	2038	2103	2133	2188	2571	2003	1669	2028	1758	2422	2077	2217	25207	
MONOFILAMENTS & STRIPS	239	258	187	131	204	303	282	134	27	45	33	65	1908	
SUBTOTAL ABOVE	**16836**	**17408**	**16382**	**24029**	**14016**	**14202**	**17228**	**15035**	**13358**	**13794**	**15812**	**16248**	**194348**	**161620**
POLYESTER														
HIGH TENACITY	3031	3122	2773	3282	4214	4080	3334	3490	2679	4170	2317	2632	39124	
TEXTURED	3651	3677	2385	2939	3208	3577	1341	2557	2583	2683	2938	2005	33544	
POY	939	1250	2204	1446	629	528	2782	289	655	4749	624	592	16687	
OTHER	1007	584	829	983	777	1186	933	722	975	738	1004	616	10354	
MONOFILAMENTS & STRIPS	208	213	203	132	302	332	275	346	353	237	338	248	3187	
SUBTOTAL ABOVE	**8836**	**8846**	**8394**	**8782**	**9130**	**9703**	**8665**	**7404**	**7245**	**12577**	**7221**	**6093**	**102896**	**90937**
OTHER SYNTHETIC FILAMENT														
TEXTURED	1033	457	872	903	992	634	980	995	603	439	544	713	9165	
OTHER	1342	1471	1735	1730	1559	1332	1724	1527	1938	2032	2586	1467	20443	
MONOFILAMENTS & STRIPS	486	421	771	1317	927	987	687	860	675	538	726	479	8874	
SUBTOTAL ABOVE	**2861**	**2349**	**3378**	**3950**	**3478**	**2953**	**3391**	**3382**	**3216**	**3009**	**3856**	**2659**	**38482**	**44521**
STAPLE														
NYLON	2605	3265	3262	2629	3280	3985	2532	1797	2075	2333	1980	2518	32261	
POLYESTER	14048	10762	12940	12923	10675	7497	8203	8432	6815	7025	5725	6940	111985	–
ACRYLIC	3326	5674	6643	6896	6342	9369	8569	6419	4571	7585	4605	3605	73604	
POLYPROPYLENE	1336	1569	1129	2264	2714	2477	1995	1454	8124	1791	1402	1089	27344	
OTHER	836	2036	1489	2562	1734	1757	2004	1412	2180	1363	1381	839	19593	
TOW														
NYLON	31	50	50	108	141	86	56	61	32	31	264	82	992	
POLYESTER	37	564	472	634	7	621	541	113	319	283	544	109	4244	
ACRYLIC	1037	1761	2185	3302	1467	829	1070	899	1013	3056	1394	519	18532	
OTHER	161	16	34	503	9	7	77	13	213	5	217	143	1398	
TOPS	847	964	1224	2191	3092	1230	1557	3000	2448	1206	4015	10818	32592	
SUBTOTAL ABOVE	**24264**	**26661**	**29428**	**34012**	**29461**	**27858**	**26604**	**23600**	**27790**	**24678**	**21527**	**26662**	**322545**	**399100**
WASTE														
NYLON	2127	2118	2159	2883	2102	2007	1852	2750	2640	2829	3296	2831	29594	
POLYESTER	4369	3980	3189	5535	3685	2726	3631	2444	3115	4007	2808	2383	41872	
OTHER	5113	6957	8080	6731	7071	5876	8304	5850	3966	4580	4330	3065	69923	
TOTAL MANUFACTURED FIBERS ABOVE	**69886**	**70757**	**74029**	**88267**	**72375**	**68335**	**73942**	**63469**	**63561**	**67221**	**61050**	**62682**	**835574**	**879703**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	13	51	43	74	9	93	41	77	46	141	69	75	732	
SPUN YARN	0	0	0	0	0	0	0	0	0	0	0	0	0	
SPUN YARNS														
SYNTHETIC	732	959	1152	1172	1944	1089	856	1532	1452	1016	860	1029	13793	
ARTIFICIAL	0	0	0	0	0	0	0	0	2	0	0	0	2	
PUT UP FOR RETAIL SALE	606	740	923	580	532	435	536	704	521	1026	731	651	7985	
GRAND TOTAL ABOVE	**71237**	**72507**	**76147**	**90093**	**74860**	**69952**	**75375**	**65782**	**65582**	**69404**	**62710**	**64437**	**858086**	

SOURCE: U.S. Census Bureau Report EM522.

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U.S. Monthly Exports of Manufactured Fibers for 1988, are published in the ***Textile Organon***, February 1989 issue, on page 33.

TABLE 17:
QUARTERLY MANUFACTURED FIBER DATA

MILLION POUNDS

ITEM	1987 1ST Q	1987 2ND Q	1987 3RD Q	1987 4TH Q	1987 YEAR	1988 1ST Q	1988 2ND Q	1988 3RD Q	1988 4TH Q	1988 YEAR	1989 1ST Q	1989 2ND Q	1989 3RD Q	1989 4TH Q	1989 YEAR
						YARN+MONOFILAMENTS									
CELLULOSIC YARN [d]															
PRODUCTION	46.2	46.7	45.2	53.0	191.1	49.1	54.4	54.9	55.5	213.9	52.7	55.8	56.7	52.3	217.5
SHIPMENTS - DOMESTIC	39.2	43.6	40.2	43.8	166.8	41.4	47.3	45.8	48.1	182.6	46.0	50.3	45.6	45.4	187.3
- EXPORT	5.0	5.9	6.1	7.9	24.9	8.7	7.9	10.0	7.5	34.1	6.8	7.9	8.4	8.6	31.7
TOTAL SHIPMENTS	44.2	49.5	46.3	51.7	191.7	50.1	55.2	55.8	55.6	216.7	52.8	58.2	54.0	54.0	219.0
ENDING STOCK	16.8	14.0	12.9	14.2		13.2	12.4	11.5	11.4		11.3	8.9	11.6	9.9	
IMPORTS	3.0	2.5	2.7	4.4	12.6	4.0	4.0	4.4	5.2	17.6	6.1	5.7	7.1	6.5	25.4
TOTAL AVAILABLE	42.2	46.1	42.9	48.2	179.4	45.4	51.3	50.2	53.3	200.2	52.1	56.0	52.7	51.9	212.7
NYLON															
PRODUCTION	414.1	427.5	432.9	422.7	1697.2	431.7	440.0	428.8	427.0	1727.5	436.9	447.5	434.8	440.0	1759.2
SHIPMENTS - DOMESTIC	389.3	394.8	405.8	364.4	1554.3	387.8	395.4	391.1	398.1	1572.4	387.9	399.7	400.9	386.8	1575.3
- EXPORT	32.1	37.9	33.7	35.8	139.5	39.6	38.1	41.5	46.8	166.0	42.7	38.9	34.8	40.4	156.8
TOTAL SHIPMENTS	421.4	432.7	439.5	400.2	1693.8	427.4	433.5	432.6	444.9	1738.4	430.6	438.6	435.7	427.2	1732.1
ENDING STOCK	125.5	120.3	113.7	136.2		140.5	147.0	143.2	125.3		131.6	140.5	139.6	152.4	
OLEFIN [e]															
PRODUCTION	255.8	283.9	287.4	306.7	1133.8	307.6	313.8	296.6	306.1	1224.1	313.8	324.6	310.4	308.4	1257.2
SHIPMENTS - DOMESTIC	261.5	281.8	287.5	304.7	1135.5	303.5	307.7	288.8	299.8	1199.8	308.0	315.5	301.6	300.9	1226.0
- EXPORT	2.7	1.7	1.8	2.1	8.3	2.7	5.9	6.0	5.2	19.8	5.2	6.4	7.2	3.7	22.5
TOTAL SHIPMENTS	264.2	283.5	289.3	306.8	1143.8	306.2	313.6	294.8	305.0	1219.6	313.2	321.9	308.8	304.6	1248.5
ENDING STOCK	54.5	54.9	53.0	52.9		54.3	54.5	56.3	57.4		58.0	60.7	62.3	66.1	
POLYESTER															
PRODUCTION	287.7	303.3	293.9	293.8	1178.7	284.5	313.5	304.6	326.2	1228.8	314.4	325.3	306.4	262.9	1209.0
SHIPMENTS - DOMESTIC	266.8	285.2	280.8	280.6	1113.4	266.7	291.9	278.2	320.6	1157.4	292.0	303.6	264.1	251.0	1110.7
- EXPORT	16.4	18.4	15.8	16.3	66.9	18.8	17.8	16.7	21.4	74.7	16.0	13.1	13.3	16.2	58.6
TOTAL SHIPMENTS	283.2	303.6	296.6	296.9	1180.3	285.5	309.7	294.9	342.0	1232.1	308.0	316.7	277.4	267.2	1169.3
ENDING STOCk	115.4	115.1	112.4	109.3		108.3	112.1	121.8	106.0		112.4	121.0	150.0	145.7	
TOTAL NONCELLULOSIC ABOVE															
PRODUCTION	957.6	1014.7	1014.2	1023.2	4009.7	1023.8	1067.3	1030.0	1059.3	4180.4	1065.1	1097.4	1051.6	1011.3	4225.4
SHIPMENTS - DOMESTIC	917.6	961.8	974.1	949.7	3803.2	958.0	995.0	958.1	1018.5	3929.6	987.9	1018.8	966.6	938.7	3912.0
- EXPORT	51.2	58.0	51.3	54.2	214.7	61.1	61.8	64.2	73.4	260.5	63.9	58.4	55.3	60.3	237.9
SHIPMENTS	968.8	1019.8	1025.4	1003.9	4017.9	1019.1	1056.8	1022.3	1091.9	4190.1	1051.8	1077.2	1021.9	999.0	4149.9
ENDING STOCK	295.4	290.3	279.1	298.4		303.1	313.6	321.3	268.7		302.0	322.2	351.9	364.2	
DOMESTIC SHIPMENTS	917.6	961.8	974.1	949.7	3803.2	958.0	995.0	958.1	1018.5	3929.6	987.9	1018.8	966.6	938.7	3912.0
IMPORTS -TEXTURED YARN [b]	19.3	15.1	17.2	16.9	68.5	15.7	14.7	16.1	14.1	60.6	14.4	14.7	15.0	11.8	55.9
-OTHER YARN [b]	13.3	12.4	11.9	11.3	48.9	11.2	11.1	11.9	13.4	47.6	23.3	33.0	32.5	28.6	117.4
-MONOFILAMENTS	0.8	0.9	1.0	1.1	3.8	1.8	2.3	2.0	2.0	8.1	1.2	1.6	4.0	2.1	8.9
TOTAL IMPORTS	33.4	28.4	30.1	29.3	121.2	28.7	28.1	30.0	29.5	116.3	38.9	49.3	51.5	42.5	182.2
TOTAL AVAILABLE	951.0	990.2	1004.2	979.0	3924.4	986.7	1023.1	988.1	1048.0	4045.9	1026.8	1068.1	1018.1	981.2	4094.2
						GLASS FIBER									
TOTAL SHIPMENTS	366.1	392.5	383.3	371.2	1513.1	386.4	415.2	405.9	380.2	1587.7	394.2	407.3	370.4	390.2	1562.1
IMPORTS	4.9	5.6	11.3	7.6	29.4	5.6	7.1	6.5	7.0	26.2	0.7	1.2	2.1	1.3	5.3

FOOTNOTES FOR TABLE ABOVE & OPPOSITE:

"Imports" are imports for consumption, as reported by the U.S. Census Bureau.

a. Also include film fiber as well as spunbonded polypropylene.

b. Includes singles and plied.

c. For 1987-1988, these figures are composites of the nylon, acrylic+modacrylic and polyester staple imports, i.e., Commodity Numbers 309.4331, 4351, 4336 & 4361. For 1989, Harmonized Tariff Schedule numbers, please see pages 73-79 of the April 1989 ***Fiber Organon.***

d. Includes both rayon & acetate yarn.

e. For 1987-1988, these figures are composites of olefin and other staple imports, i.e., Commodity Numbers 309.4371, 4341 & 4390. For 1989, Harmonized Tariff Schedule numbers, please see pages 73-79 of the April 1989 ***Fiber Organon.***

f. 1987-1989 data exclude Vinyon.

TABLE 17:
QUARTERLY MANUFACTURED FIBER DATA *(Continued)*

MILLION POUNDS

ITEM	1987 1ST Q	1987 2ND Q	1987 3RD Q	1987 4TH Q	1987 YEAR	1988 1ST Q	1988 2ND Q	1988 3RD Q	1988 4TH Q	1988 YEAR	1989 1ST Q	1989 2ND Q	1989 3RD Q	1989 4TH Q	1989 YEAR
						STAPLE+TOW									
RAYON															
PRODUCTION	101.3	100.5	103.6	108.4	413.8	106.6	101.2	99.4	92.6	399.8	100.8	101.2	83.2		
SHIPMENTS - DOMESTIC	91.8	91.0	97.9	102.4	383.1	101.9	102.0	94.0	88.1	386.0	99.7	91.7	76.6	DATA	
- EXPORT	8.1	8.2	12.6	3.5	32.4	5.1	6.1	5.5	3.8	20.5	3.4	5.4	4.3	NO LONGER	
TOTAL SHIPMENTS	99.9	99.2	110.5	105.9	415.5	107.0	108.1	99.5	91.9	406.5	103.1	97.1	80.9	AVAILABLE	
ENDING STOCK	23.8	25.1	18.2	20.7		20.3	13.4	13.3	14.0		11.7	15.8	18.1		
DOMESTIC SHIPMENTS	91.8	91.0	97.9	102.4	383.1	101.9	102.0	94.0	88.1	386.0	99.7	91.7	76.6		
IMPORTS FOR CONSUMPTION															
STAPLE	3.9	3.8	2.6	2.7	13.0	3.2	3.8	5.5	6.5	19.0	15.1	13.3	12.4	13.2	54.0
GROUPED FILAMENTS	0.2	0.1	0.4	0.2	0.9	0.2	0.3	0.5	0.4	1.4					
TOTAL IMPORTS	4.1	3.9	3.0	2.9	13.9	3.4	4.1	6.0	6.9	20.4	15.1	13.3	12.4	13.2	54.0
TOTAL AVAILABLE	95.9	94.9	100.9	105.3	397.0	105.3	106.1	100.0	95.0	406.4	114.8	105.0	89.0		
NYLON															
PRODUCTION	247.4	261.0	252.8	231.2	992.4	231.5	235.9	226.6	247.8	941.8	252.9	242.0	241.0	244.8	980.7
SHIPMENTS-DOMESTIC	246.2	253.2	246.2	220.4	966.0	239.4	223.9	241.6	240.0	944.9	242.0	231.2	245.8	236.3	955.3
-EXPORT	5.3	5.0	3.7	5.5	19.5	4.3	4.3	4.9	5.5	19.0	7.5	4.8	5.4	5.5	23.2
TOTAL SHIPMENTS	251.5	258.2	249.9	225.9	985.5	243.7	228.2	246.5	245.5	963.9	249.5	236.0	251.2	241.8	978.5
ENDING STOCK	58.7	61.5	64.4	69.7		57.5	65.2	45.3	47.6		51.0	57.0	46.8	49.8	
IMPORTS	14.8	8.7	8.6	6.9	39.0	4.9	5.1	5.4	6.5	21.9	6.4	5.4	5.4	8.9	26.1
TOTAL AVAILABLE	261.0	261.9	254.8	227.3	1005.0	244.3	229.0	247.0	246.5	966.8	248.4	236.6	251.2	245.2	981.4
ACRYLIC+MODACRYLIC															
PRODUCTION	155.7	159.0	135.3	141.5	591.5	148.8	150.9	141.5	146.9	588.1	144.3	145.6	129.4	123.4	542.7
SHIPMENTS-DOMESTIC	139.4	131.6	112.8	95.5	479.3	109.0	109.3	107.3	95.5	421.1	112.9	112.4	102.8	86.7	414.8
-EXPORT	14.7	17.0	32.0	51.4	115.1	47.7	29.1	39.8	52.5	169.1	23.6	32.5	30.0	36.5	122.6
TOTAL SHIPMENTS	154.1	148.6	144.8	146.9	594.4	156.7	138.4	147.1	148.0	590.2	136.5	144.9	132.8	123.2	537.4
ENDING STOCK	67.8	78.2	68.7	63.3		55.4	67.9	62.3	61.2		69.0	69.7	66.3	66.5	
IMPORTS	3.3	4.1	4.6	3.7	15.7	3.3	4.4	3.3	4.3	15.3	9.4	11.1	8.5	8.5	37.5
TOTAL AVAILABLE	142.7	135.7	117.4	99.2	495.0	112.3	113.7	110.6	99.8	436.4	122.3	123.5	111.3	95.2	452.3
OLEFIN+VINYON [f]															
PRODUCTION	85.5	92.3	92.1	90.6	360.5	94.3	94.5	85.9	89.3	364.0	97.1	97.7	92.0	94.8	381.6
SHIPMENTS-DOMESTIC	81.1	85.7	86.1	88.2	341.1	83.8	87.6	84.8	88.0	344.2	91.6	93.5	91.4	86.9	363.4
-EXPORT	6.9	5.7	5.4	4.8	22.8	5.6	5.8	4.4	3.8	19.6	3.1	3.7	3.4	3.8	14.0
TOTAL SHIPMENTS	88.0	91.4	91.5	93.0	363.9	89.4	93.4	89.2	91.8	363.8	94.7	97.2	94.8	90.7	377.4
ENDING STOCK	31.0	31.9	32.5	30.1		35.0	36.1	32.8	30.3		32.8	33.3	30.5	34.6	
POLYESTER															
PRODUCTION	581.0	596.2	578.4	606.2	2361.8	587.4	619.5	604.3	640.6	2451.8	609.4	648.8	591.0	536.1	2385.3
SHIPMENTS-DOMESTIC	534.4	549.9	537.5	579.2	2201.0	558.3	572.5	551.2	629.8	2311.8	575.4	594.6	543.0	548.3	2261.3
-EXPORT	48.2	47.0	38.3	34.7	168.2	27.8	31.1	38.2	40.0	137.1	34.9	21.7	20.1	16.8	93.5
TOTAL SHIPMENTS	582.6	596.9	575.8	613.9	2369.2	586.1	603.6	589.4	669.8	2448.9	610.3	616.3	563.1	565.1	2354.8
ENDING STOCK	162.3	161.6	164.2	156.5		157.8	173.7	188.6	159.4		158.5	191.0	218.9	189.9	
IMPORTS	15.5	17.4	23.4	14.4	70.7	15.0	20.7	22.3	15.2	73.2	21.5	29.9	34.5	32.7	118.6
TOTAL AVAILABLE	549.9	567.3	560.9	593.6	2271.7	573.3	593.2	573.5	645.0	2385.0	596.9	624.5	577.5	581.0	2379.9
TOTAL NONCELLULOSIC															
PRODUCTION	1069.6	1108.5	1058.6	1069.5	4306.2	1062.0	1100.8	1058.3	1124.6	4345.7	1103.7	1134.1	1053.4	999.1	4290.3
SHIPMENTS-DOMESTIC	1001.1	1020.4	982.6	983.3	3987.4	990.5	993.3	984.9	1053.3	4022.0	1021.9	1031.7	983.0	958.2	3994.8
-EXPORT	75.1	74.7	79.4	96.4	325.6	85.4	70.3	87.3	101.8	344.8	69.1	62.7	58.9	62.6	253.3
TOTAL SHIPMENTS	1076.2	1095.1	1062.0	1079.7	4313.0	1075.9	1063.6	1072.2	1155.1	4366.8	1091.0	1094.4	1041.9	1020.8	4248.1
ENDING STOCK	319.8	333.2	329.8	319.6		305.7	342.9	329.0	298.5		311.3	351.0	362.5	340.8	
DOMESTIC SHIPMENTS	1001.1	1020.4	982.6	983.3	3987.4	990.5	933.3	984.9	1053.3	4022.0	1021.9	1031.7	983.0	958.2	3994.8
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE [c]	33.6	30.2	36.6	25.0	125.4	23.2	30.2	31.0	26.0	110.4	37.3	46.4	48.4	50.1	182.2
OTHER N.C. STAPLE [g]	2.8	3.6	3.7	3.4	13.5	5.6	5.7	4.3	4.2	19.8	3.7	2.8	1.7	2.0	10.2
GROUPED FILAMENTS	12.4	12.4	12.1	13.1	50.0	14.5	17.8	15.7	17.8	65.8					
TOTAL IMPORTS	48.8	46.2	52.4	41.5	188.9	43.3	53.7	51.0	48.0	196.0	41.0	49.2	50.1	52.1	192.4
TOTAL AVAILABLE	1049.9	1066.6	1035.0	1024.8	4176.3	1033.8	1047.0	1035.9	1101.3	4218.0	1062.9	1080.9	1033.1	1010.3	4187.2

See footnotes on opposite page.

TABLE 18:
SELECTED U.S. MONTHLY FIBER DATA

MILLION POUNDS

ITEM	1989 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE[a] 1990	1989
	MANUFACTURED FIBER TOTAL SHIPMENTS[b c]													
ARTIFICIAL (CELLULOSIC)														
YARN	15.1												15.1	17.3
RAYON STAPLE	DATA NO LONGER AVAILABLE													
TOTAL ARTIFICIAL (CELLULOSIC)	15.1												15.1	17.3
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	24.9												24.9	31.3
- CARPET	86.5												86.5	74.9
- TEXTILE [f]	28.8												28.8	33.9
POLYESTER - INDUSTRIAL[d]	27.2												27.2	28.6
- TEXTILE[f]	56.2												56.2	73.2
OLEFIN[e]	106.1												106.1	105.3
TOTAL YARN	329.7												329.7	347.2
STAPLE+TOW+FIBERFILL														
NYLON	88.9												88.9	82.3
ACRYLIC+MODACRYLIC	39.2												39.2	41.7
POLYESTER	166.9												166.9	205.8
OLEFIN	30.3												30.3	31.1
TOTAL STAPLE	325.3												325.3	360.9
TOTAL SYNTHETIC (NONCELLULOSIC)	655.0												655.0	708.1
TOTAL MANUFACTURED FIBER	670.1												670.1	725.4
	MANUFACTURED FIBER END-OF-MONTH STOCK													
ARTIFICIAL (CELLULOSIC)														
YARN	9.7												9.7	11.7
RAYON STAPLE	DATA NO LONGER AVAILABLE													
TOTAL ARTIFICIAL (CELLULOSIC)	9.7												9.7	11.7
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	36.8												36.8	24.4
- CARPET	61.9												61.9	63.5
- TEXTILE [f]	57.0												57.0	47.1
POLYESTER - INDUSTRIAL[d]	39.3												39.3	35.0
- TEXTILE[f]	94.5												94.5	73.5
OLEFIN[e]	68.9												68.9	53.1
TOTAL YARN	358.4												358.4	296.6
STAPLE+TOW+FIBERFILL														
NYLON	40.1												40.1	51.8
ACRYLIC+MODACRYLIC	69.5												69.5	70.5
POLYESTER	193.5												193.5	163.5
OLEFIN	34.6												34.6	31.0
TOTAL STAPLE	337.7												337.7	316.8
TOTAL SYNTHETIC (NONCELLULOSIC)	696.1												696.1	613.4
TOTAL MANUFACTURED FIBER	705.8												705.8	625.1
	WOOL & COTTON CONSUMPTION													
APPAREL CLASS WOOL														
CARPET CLASS WOOL														
TOTAL RAW WOOL														
RAW COTTON														

a. "Year to date" totals for stock, are the latest month's figures. **Data for Rayon staple no longer available.**

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic shipments plus export shipments.

d. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

e. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

f. Includes low denier industrial yarn.

CELLULOSIC YARN & STAPLE+TOW PRODUCTION, SHIPMENTS & STOCK

MONTHLY 1989

MILLION POUNDS

ITEM	1989 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1989	1988
	YARN+MONOFILAMENTS													
CELLULOSIC YARN														
PRODUCTION	17.6	16.2	18.8										52.6	49.3
SHIPMENTS-Domestic	15.2	14.6	16.1										45.9	41.4
-Export	2.1	2.4	2.3										6.8	8.7
-TOTAL	17.3	17.0	18.4										52.7	50.1
ENDING STOCK	11.7	10.9	11.3										11.3	13.2
INCLUDES ACETATE AND RAYON YARN+MONOFILAMENT														
	STAPLE+TOW													
RAYON														
PRODUCTION	33.5	32.3	35.0										100.8	106.6
SHIPMENTS-Domestic	33.5	31.0	35.2										99.7	101.9
-Export	1.0	1.1	1.3										3.4	5.1
-TOTAL	34.5	32.1	36.5										103.1	107.0
ENDING STOCK	13.0	13.2	11.7										11.7	20.3

ESTIMATED U.S. MILL CONSUMPTION

MILLION POUNDS

ITEM	1988 REVISED JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1988	1987
CELLULOSIC														
YARN	14	15	16	18	16	17	17	16	17	18	17	19	200	180
STAPLE	33	36	39	36	37	37	30	38	36	37	31	30	420	410
TOTAL CELLULOSIC	47	51	55	54	53	54	47	54	53	55	48	49	620	590
NONCELLULOSIC														
YARN	310	333	342	343	341	338	310	339	342	353	345	350	4046	3933
STAPLE	345	365	377	368	365	365	338	378	368	395	367	387	4418	4385
TOTAL NONCELLULOSIC	655	698	719	711	706	703	648	717	710	748	712	737	8464	8318
TOTAL MANUFACTURED FIBER [a]	702	749	774	765	759	757	695	771	763	803	760	786	9084	8908
COTTON	300	311	339	278	303	297	226	240	307	269	292	238	3400	3738
WOOL	14	13	16	13	13	15	13	11	12	14	12	12	158	169
TOTAL FIBER	1016	1073	1129	1056	1075	1069	934	1022	1082	1086	1064	1036	12642	12815
% OF MILL CONSUMPTION														
MANUFACTURED FIBER	*69*	*70*	*69*	*73*	*71*	*71*	*74*	*76*	*71*	*74*	*72*	*76*	*72*	*70*
COTTON	*30*	*29*	*30*	*26*	*28*	*28*	*25*	*23*	*28*	*25*	*27*	*23*	*27*	*29*
WOOL	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*

a. Excludes glass fiber, acetate cigarette tow and Aramid

NONCELLULOSIC STAPLE+TOW+FIBERFILL
PRODUCTION, SHIPMENTS & STOCK
MONTHLY 1989
MILLION POUNDS

ITEM	1989 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1989	1988
NYLON														
PRODUCTION - TOTAL	86.6	79.6	86.6										252.8	231.5
Domestic Shipments by Denier														
Less than 10	8.3	6.7	7.5										22.5	22.3
10, Less than 15	2.5	2.8	2.9										8.2	7.0
15, Less than 20	64.3	61.6	69.6										195.5	191.0
20 & Coarser	4.5	5.0	6.2										15.7	19.1
Total Domestic Shipments	79.6	76.1	86.2										241.9	239.4
Export	2.7	2.3	2.5										7.5	4.3
TOTAL SHIPMENTS	82.3	78.4	88.7										249.4	243.7
ENDING STOCK	51.8	53.0	50.9										50.9	57.5
ACRYLIC+MODACRYLIC														
PRODUCTION - TOTAL	51.1	43.9	48.8										143.8	148.8
Domestic Shipments by Denier														
Less than 4	26.4	30.2	30.1										86.7	83.8
4 & Coarser	7.9	9.9	8.5										26.3	25.2
Total Domestic Shipments	34.3	40.1	38.6										113.0	109.0
Export	7.4	6.1	10.2										23.7	47.7
TOTAL SHIPMENTS	41.7	46.2	48.8										136.7	156.7
ENDING STOCK	70.6	68.3	68.3										68.3	55.4
POLYESTER														
PRODUCTION - TOTAL	204.6	*192.4	214.5										611.5	587.4
Domestic Shipments by Denier														
Fiberfill	30.1	28.6	31.9										90.6	85.3
Less than 1.3	59.7	*58.6	67.2										185.5	165.5
1.3, Less than 2.5	51.9	*50.3	59.3										161.5	175.9
2.5, Less than 5.5	12.1	11.9	13.0										37.0	34.3
5.5, Less than 10	6.2	8.0	8.0										22.2	19.3
10 & Coarser	27.3	23.8	27.0										78.1	78.0
Total Domestic Shipments	187.3	*181.2	206.4										574.9	558.3
Domestic Shipments also Divided as														
Carpet	19.9	18.9	21.4										60.2	66.1
Other	167.4	*162.3	185.0										514.7	492.2
Export	13.2	10.9	10.9										35.0	27.8
TOTAL SHIPMENTS	200.5	*192.1	217.3										609.9	586.1
ENDING STOCK	163.5	163.8	161.0										161.0	157.8
OLEFIN														
PRODUCTION	31.7	*32.1	32.9										96.7	94.3
SHIPMENTS	31.0	*31.7	31.4										94.1	89.4
ENDING STOCK	31.0	31.4	32.9										32.9	35.0
TOTAL ABOVE														
PRODUCTION	374.0	*348.0	382.8										1104.8	1062.0
DOMESTIC SHIPMENTS [d]	332.2	*329.1	362.6										1023.9	996.1
EXPORTS [e]	23.3	19.3	23.6										66.2	79.8
TOTAL SHIPMENTS	355.5	*348.4	386.2										1090.1	1075.9
ENDING STOCK	316.9	316.5	313.1										313.1	305.7

*. Revised
a. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier
b. Does not include saran or spandex
c. Low denier industrial included with Textile
d. Includes olefin exports
e. Excludes olefin exports

NONCELLULOSIC YARN+MONOFILAMENTS
PRODUCTION, SHIPMENTS & STOCK
MONTHLY 1989
MILLION POUNDS

ITEM	1989 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1989	1988
NYLON														
INDUSTRIAL[a]														
Domestic Shipments-Tires	11.9	13.0	13.5										38.4	39.5
-Other	9.1	8.7	8.8										26.6	27.9
Export	10.3	8.8	9.9										29.0	27.0
Ending Stock	24.4	24.7	22.4										22.4	23.5
CARPET														
Domestic Shipments	71.7	73.9	79.4										225.0	228.2
Export	3.0	3.1	3.0										9.1	9.7
Ending Stock	63.5	63.3	62.8										62.8	67.0
TEXTILE[c]														
Domestic Shipments	*32.5	*31.7	33.3										97.5	92.2
Export	1.5	1.5	1.5										4.5	2.9
Ending Stock	*47.1	*48.2	46.4										46.4	50.0
TOTAL NYLON ABOVE														
PRODUCTION	*149.7	*141.9	144.8										436.4	431.7
Domestic Shipments	*125.2	*127.3	135.0										387.5	387.8
Export	14.8	13.4	14.4										42.6	39.6
TOTAL SHIPMENTS	*140.0	*140.7	149.4										430.1	427.4
ENDING STOCK	*135.0	*136.2	131.6										131.6	140.5
POLYESTER														
INDUSTRIAL[a]														
Domestic Shipments-Tires	13.3	14.0	14.2										41.5	41.1
-Other	12.5	11.2	12.6										36.3	34.3
Export	2.8	3.5	3.6										9.9	11.1
Ending Stock	35.0	31.4	30.5										30.5	28.8
TEXTILE[c]														
Domestic Shipments by Denier														
40+50 (55 & Finer)	2.2	2.5	3.3										8.0	8.2
70 (56-89)	11.4	10.8	10.6										32.8	29.1
100 (90-109)	3.8	4.0	4.5										12.3	9.4
120 (110-129) & 135 (130-144)	*1.0	*1.0	1.4										3.4	4.7
150 (145-179)	*44.7	*44.4	46.8										135.9	121.2
200 (180 & Coarser)	*7.0	*6.3	7.0										20.3	18.7
Total Textile Domestic	*70.1	*69.0	73.6										212.7	191.3
Domestic Shipments also Divided as														
Textured Yarn	*54.4	*54.0	56.1										164.5	146.7
Flat Yarn	15.7	15.0	17.5										48.2	44.6
Export - Poy	2.0	1.5	1.2										4.7	17.7
Export - Flat	0.4	0.6	0.2										1.2	
Ending Stock	*73.6	76.9	83.1										83.1	79.5
TOTAL POLYESTER ABOVE														
PRODUCTION	103.8	*99.5	110.7										314.0	284.5
Domestic Shipments	*95.9	*94.2	100.4										290.5	266.7
of Which Indirect Exports	*2.3*	*2.3*	*2.8*										*7.4*	*12.9*
Export	5.2	5.6	5.0										15.8	18.8
TOTAL SHIPMENTS	*101.1	*99.8	105.4										306.3	285.5
ENDING STOCK	*108.6	108.3	113.6										113.6	108.3
OLEFIN														
PRODUCTION	98.3	98.5	95.6										292.4	301.6
Shipments														
Filament Yarn	25.4	25.4	21.9										72.7	67.7
Film Fiber & Other	73.1	72.0	72.3										217.4	233.3
TOTAL SHIPMENTS	98.5	97.4	94.2										290.1	301.0
ENDING STOCK	53.0	54.1	55.5										55.5	53.5
TOTAL ABOVE[b]														
PRODUCTION	*351.8	*339.9	351.1										1042.8	1017.8
DOMESTIC SHIPMENTS[d]	*319.6	*318.9	329.6										968.1	955.5
EXPORTS[e]	20.0	19.0	19.4										58.4	58.4
TOTAL SHIPMENTS	*339.6	*337.9	349.0										1026.5	1013.9
ENDING STOCK	*296.6	*298.6	300.7										300.7	302.3

See footnotes opposite.

Manufactured
FIBER REVIEW
A Monthly Summary of Fiber Production Information
Formerly The Man-Made Fiber Review

Vol. 8, No. 4 April 1989

HIGHLIGHTS

In March production of noncellulosic fiber (except aramid, saran and spandex) totaled 733.9 million pounds, 6.7% above the 687.9 million pounds produced in February. Filament yarn production rosel 3.3% to 351.1 million pounds and staple+tow rose 10.0% to 382.8 million pounds.

Shipments of noncellulosic fiber (except aramid, saran and spandex) rose in March to 735.2 million pounds, up 7.1% from the 686.3 million pounds shipped in February. Deliveries of filament yarn rose 3.3% to 349.0 million pounds and shipments of staple+tow rose 10.8% to 386.2 million pounds.

March producer exports of polyester staple+tow remained the same at 10.9 million pounds and exports of acrylic+modacrylic staple+tow rose to 10.2 million pounds, up 67.2%. For March 1989, producer exports of polyester staple+tow were 15.9% above the 9.4 million pounds exported in March 1988.

As of the end of March, stocks of noncellulosic fibers fell to 613.8 million pounds, down 0.2% from 615.1 million pounds in February. Stocks of staple+tow fell 1.1% and stocks of filament yarn rose 0.7%.

MANUFACTURED FIBER PRODUCTION DATA
MILLION POUNDS & PERCENT CHANGE

ITEM	1989 MAR	1989 FEB	% CHG 3-89/2-89	1988 MAR	% CHG 3-89/3-88	YEAR TO DATE 1989	YEAR TO DATE 1988	% CHG 1989/1988
CELLULOSIC								
YARN	18.8	16.2	*+16.0*	18.0	*+4.4*	52.6	49.3	*+6.7*
RAYON STAPLE	35.0	32.3	*+8.4*	36.3	*-3.6*	100.8	106.6	*-5.4*
TOTAL CELLULOSIC FIBER	53.8	48.5	*+10.9*	54.3	*-0.9*	153.4	155.9	*-1.6*
NONCELLULOSIC								
YARN								
NYLON - INDUSTRIAL	29.9	30.8	*-2.9*	32.6	*-8.3*	94.1	97.0	*-3.0*
- CARPET	81.9	76.8	*+6.6*	85.1	*-3.8*	239.6	239.5	*--*
- TEXTILE [a]	33.0	34.3	*-3.8*	30.8	*+7.1*	102.7	95.2	*+7.9*
POLYESTER - INDUSTRIAL	29.5	25.1	*+17.5*	30.3	*-2.6*	83.2	87.5	*-4.9*
- TEXTILE [a]	81.2	74.4	*+9.1*	65.7	*+23.6*	230.8	197.0	*+17.2*
OLEFIN	95.6	98.5	*-2.9*	100.9	*-5.3*	292.4	301.6	*-3.1*
TOTAL YARN	351.1	339.9	*+3.3*	354.4	*+1.7*	1042.8	1017.8	*+2.5*
STAPLE+TOW+FIBERFILL								
NYLON	86.6	79.6	*+8.8*	76.4	*+13.4*	252.8	231.5	*+9.2*
ACRYLIC+MODACRYLIC	48.8	43.9	*+11.2*	52.0	*-6.2*	143.8	148.8	*-3.4*
POLYESTER	214.5	192.4	*+11.5*	192.5	*+11.4*	611.5	587.4	*+4.1*
OLEFIN	32.9	32.1	*+2.5*	32.0	*+2.8*	96.7	94.3	*+2.5*
TOTAL STAPLE	382.8	348.0	*+10.0*	352.9	*+8.5*	1104.8	1062.0	*+4.0*
TOTAL NONCELLULOSIC FIBER	733.9	687.9	*+6.7*	698.3	*+5.1*	2147.6	2079.8	*+3.3*
TOTAL MANUFACTURED FIBER	787.7	736.4	*+7.0*	752.6	*+4.7*	2301.0	2235.7	*+2.9*

a. Includes low denier industrial nylon and polyester yarn.

A publication of
Fiber Economics Bureau, Inc.
Formerly *Textile Economics Bureau, Inc.*
101 Eisenhower Parkway
Roseland, NJ 07068
Telephone (201) 228-1107
FAX (201) 228-7598

ISSN 8755-3309
Subscription:
$250.00 per year U.S.A.
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